Northern California's Computer Magazine

Dec. 14, 1993 • #117 FREE

MicroTimes

MicroTimes' Annual 1994 Northern California Dealer Guide

- City-By-City Directory Of Northern California Computer Equipment Dealers And Resellers
- Listings Of Vendor-Authorized Dealers And Service Providers
- New Products—Hardware, Software, And Other Tools For Getting Your Work Done
- Writers' Soapbox Awards: Praise, Blame, and Assorted Tirades On The Best And Worst Of '93

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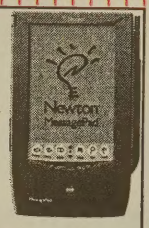
Newton MessagePad



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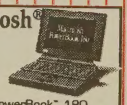

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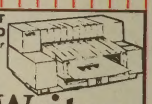

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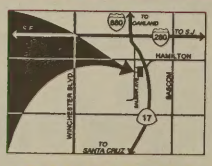

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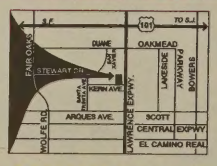

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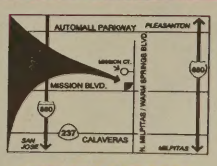

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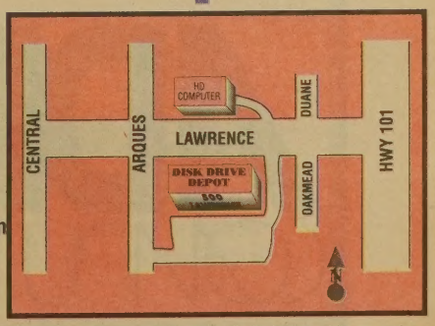

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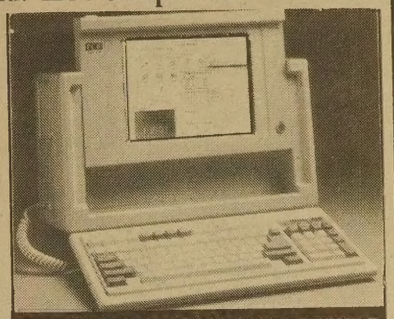

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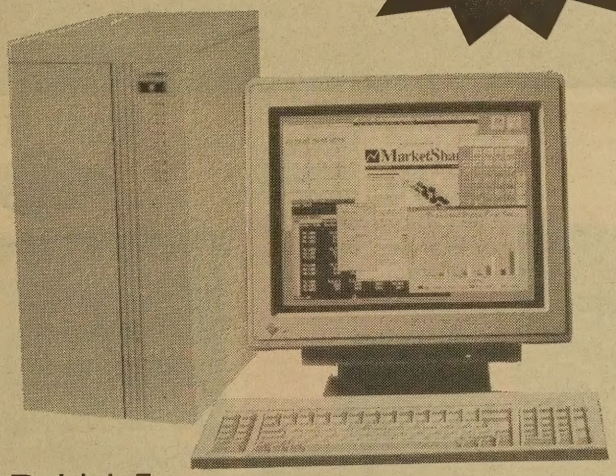

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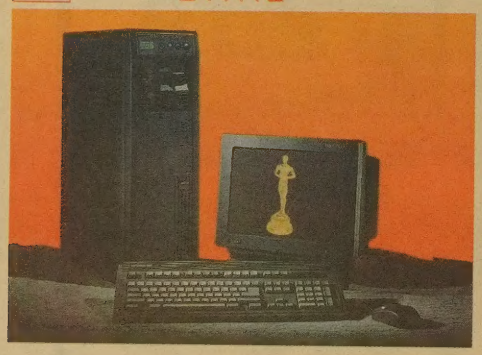

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DEC. 14, 1993 ISSUE #117
MICROTIMES

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A NOTE FROM THE EDITORS

It's that time again—here's our annual list of dealers and resellers who are eagerly awaiting the opportunity to help you with your computer-related needs. Whether it's the products themselves, or service, training, and support, a business near you has what you need.

Our city-by-city listings, beginning on page 12, provide a year-round reference for dealers in your area and the specialized services they offer. Starting on page 97, we also provide an index of vendor-authorized dealers, trainers, and VARs.

In keeping with our time-honored tradition, we bring you our annual rants and raves from our faithful contributors—the Writers' Soapbox Awards for 1993 begin on page 126.

And, from all of us at *MicroTimes*, best wishes for happy holidays and a fine and prosperous 1994!

—ME

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Once again, our writers have found much to love and much to hate about the industry in 1993, and say so in unabashed, opinionated, and often contradictory fashion. We hope you'll find their experiences illuminating, if only of the principle that mileage varies.

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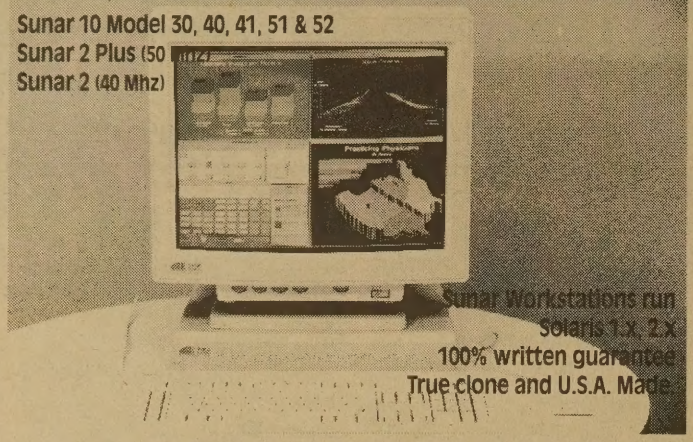

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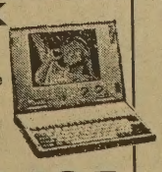

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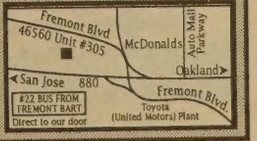

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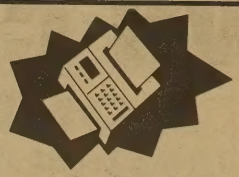

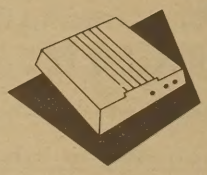

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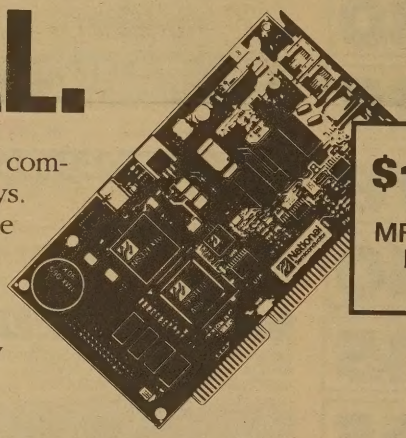

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  phone turns on power, saves energy, 2 year warranty
- **340MB** IDE 13ms hard drive.....**$299**
- **900MB** Toshiba SCSI 12.5ms hard drive.....**$699**
- **14"** monochrome paper white monitor.....**$79**
- **NE2000** 16 bit 10 Base T compat. network card.....**$55**
- **NE 2000** 16 bit COAX compat. network card **$55**
- **Panasonic Dual Speed CD-ROM & Sound Blaster Pro $439**
  Panasonic CD-ROM drive model #562, Sound Blaster Pro sound card, software titles: Lemmings, Indianapolis 500, CD titles: Sound library, Kings Quest, Microsoft Bookshelf, Mixed-up Mother Goose, Two speakers also included.

Prices subject to change without notice.

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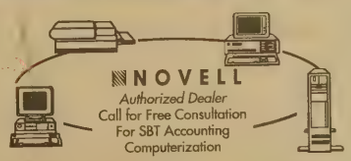

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Whether you're buying your company's first computer, pondering your upgrade path, or planning for a massive enterprise-wide network, finding a local source to fill your needs is often a challenge.

To help you meet this challenge, here's our annual guide, and whether it's multimedia in Milpitas, OS/2 in Oakland, Windows in Walnut Creek, or clones in Campbell, the merchants in these listings will offer the products and services you're looking for.

In addition to city-by-city listings, we also included a special section of vendor-authorized service providers, so that if you're looking for support, training, or general expertise with a particular product, you can choose a source with confidence.

ALAMEDA

EON Technologies

Store manager: Wayne Froncek
3211D Encinal Ave.
Alameda, CA 94501
(510) 523-3832

Areas of Specialty (and In-House Specialist): Windows applications (Robert Cullman); dBase/FoxBase (Robert Cullman); WordPerfect (Robert Cullman)

Operating Systems Supported: MS-DOS, Windows, Windows NT, OS/2

Top-Selling Brands in 1993: Orchid, Diamond, Standard technologies

Special Value-Added Services: One-year parts and labor warranty, toll-free technical support, 24-hour repairs, extensive software expertise.

Powerlight Systems

Store manager: Jean-Pierre Chelouche
46 Crane Ct.
Alameda, CA 94502
(510) 523-1139 Fax: (510) 523-0338

Areas of Specialty (and In-House Specialist): custom-designed 486 systems (J.P. Chelouche)

Operating Systems Supported: MS-DOS, Windows, OS/2

Top-Selling Brands in 1993: Bowerlight systems

Special Value-Added Services: Hardware-oriented VAR with standard warranty policy on all systems (one-year parts and labor). Some DOS training and some assembly classes given regularly.

ALBANY

Monarch Computers

Store manager: Sunil Ajmani

A VALUABLE YEAR-ROUND RESOURCE

continued on page 17

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64 SHADE VGA
1 PCMCIA
4LB's
MS DOS & Win 3.1
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486DX/33MHz
4MB RAM
120MB HARD DRIVE
64 SHADE VGA
5.7LB's
MS DOS & Win 3.1
$1995/Mono
$2999/STN
$3690/TFT

486-ValueLine

(4MB/128K/130MB)

Intel 486 Processor
4MB 70ns RAM, 128K Cache
Teac 3.5" Diskette Drive
130MB IDE Hard drive
2 Serial, 1 Parallel & 1 Game Ports
Trident SVGA w/512K RAM
14" Color SVGA 1024
101-Key Keyboard
MS-DOS V6.2 with Manual
3-Button High Resolution Mouse

4SX-25 $985
4SX-33 $1075
4DX-33 $1195
4DX2-66 $1399

486VL-ValueLine

(4MB/256K/130MB/14")

Intel 486 Processor
238 pin ZIF Socket for Pentium
Based OverDrive Processors
4MB RAM, 256K Cache
Teac 5.25" & 3.5" Diskette Drives
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2 Serial, 1 Parallel & 1 Game Ports
VL-Bus Windows Accelerator w/1MB DRAM
14" Color SVGA 1024x768
Middle Tower Case w/250W Power
2-VL Bus Slots, 7 16-Bit ISA Slots
High Quality 101-Key Keyboard
MS-DOS V6.2 with Manual
3-Button High Resolution Mouse

4DX-33 $1379
4DX2-66 $1629

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(8MB/256K/245MB/15")

Intel 486 Processor
238 pin ZIF Socket for Pentium
Based OverDrive Processors
8MB RAM, 256K Cache
Teac 5.25" & 3.5" Diskette Drives
245MB IDE Hard drive
VL-Bus IDE Interface
2 Serial, 1 Parallel & 1 Game Ports
Orchid Fahrenheit VLB Accelerator
1MB DRAM (up to 2MB)
15" MAG Flatscreen SVGA 1280 NI
Middle Tower Case w/250W Power
2-VL Bus Slots, 7 16-Bit ISA Slots
High Quality 101-Key Keyboard
MS-DOS V6.2 with Manual
3-Button High Resolution Mouse

4DX-33 $1999
4DX2-66 $2249

DRIVES

TEAC 1.2MB 5.25"	$50
TEAC 1.44MB 3.5"	$45
TEAC Floppy Combo	$125
130MB 15ms	$179 IDE/189 SCSI
245MB 14ms	$230 IDE/260 SCSI
345MB 14ms	$309 IDE/345 SCSI
540MB IDE 8.5ms	$659 IDE/639 SCSI
MXT-1240S (SCSI, 8.5ms)	$1199

TAPE DRIVES

SUMMIT 120MB	$149
SUMMIT 250MB	$165
COLORADO 120MB	$119
COLORADO 250MB	$169
JUMBO TRAKKER 120MB	$299
JUMBO TRAKKER 250MB	$359
CONNER 250MB	$145

VGA CARDS

SpeedStar Pro VLB	$129
Stealth 24x VLB 1MB	$159
Stealth Pro VLB 2MB	$325
Viper w/2MB VRAM	$389
Orchid Fahrenheit VLB	$159
Orchid Celcius VLB	$220

Please Call for other Brands

MULTIMEDIA

CD-ROM DRIVES

MITSUMI LU005 INT. (150KB/SEC)	$199
PANASONIC 562 CD-ROM (300KB/SEC)	$219
SONY 31A03 CD-ROM W/KIT (300KB/SEC)	$205
TEXEL DM-3028 INT. (300KB/SEC)	$360
TOSHIBA 3401B/3401E (200ms)	$375/499

CD-ROM plus SOUND CARDS

PANASONIC 562+ SBlaster Pro	$325
SONY 31A03 + SBlaster Pro	$305
TEXEL 3028 + Spectrum 16	$499
TOSHIBA 3401B + Spectrum 16	$525
CREATIVE Discovery Kit starting at	$395
CREATIVE Edutainment Kit starting at	$465

Please Call For Items Not Listed

FAX/MODEM

2400 Baud Modem Int	$39
96/24 S&R fax/modem Int	$49
96/24 S&R fax/modem Pocket	$99
144/144 fax/modem Pocket	$199
144/144 fax/modem Int	$159
144/144 fax/modem Ext	$189

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Specifications:

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3.5" 1.44MB Floppy Drive
9.5" Mono, Passive or Active Color
Built-in Trackball
Two (2) PCMCIA Slots (type 2)
Intelligent Power Management
2-Hr Battery Time & 2 Hrs Quick Charge
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MS-DOS v6.2
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6.2lbs & 11"x8.7 x2"

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2 VESA & 4 ISA Slots
Built-in SCSI Controller
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1 Keyboard and 1 Video port
Built-in 2 speakers for multimedia

$495

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Teac 5.25" & 3.5" Diskette Drives
345MB IDE Hard drive
VL-Bus IDE Interface
2 Serial, 1 Parallel & 1 Game Ports
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17" MAG Flatscreen SVGA 1280 NI
Middle Tower Case w/250W Power
2-VL Bus Slots, 7 16-Bit ISA Slots
High Quality 101-Key Keyboard
MS-DOS V6.2 with Manual
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NICE 486 Mini EISA Mainboard
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FullTower w/12 Drive bays (6 open)
2-VL Bus Slots, 3 EISA & 5 ISA Slots
High Quality 101-Key Keyboard
MS-DOS V6.2 with Manual
3-Button High Resolution Mouse

4DX-33 $3299 4DX2-66 $3549

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(EISA-VESA, SCSI-2)

NICE 486 Super EISA Mainboard
Intel 486 Processor
16MB RAM, 256K Cache
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1.2GB 9ms SCSI-2 Hard
Hard Drive up to 44bits/sec
Adaptec 2742T EISA Bus Mastering Fast SCSI-2 Controller (up to 7 Devices)
2 Serial, 1 Parallel & 1 Game Ports
Diamond SpeedStar Pro VLB Accelerator, 1MB VRAM
14" Color SVGA 1024 NI
FullTower w/12 Drive bays (6 open)
1-VL Bus Slots, 8 32-Bit EISA Slots
High Quality 101-Key Keyboard
MS-DOS V6.2 with Manual
3-Button High Resolution Mouse

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Highly trained personnel bring you knowledgeable, courteous assistance with efficiency and professionalism.

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We at MDS know that inferior products offer little or no satisfaction. True savings only come on high-grade products, agressively priced. Get the best from MDS-Best Prices! Best quality! Best service!

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5FGe 17" Flat 1024x76hz $1075
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Automatically turns off the monitor when left idle for a specific time
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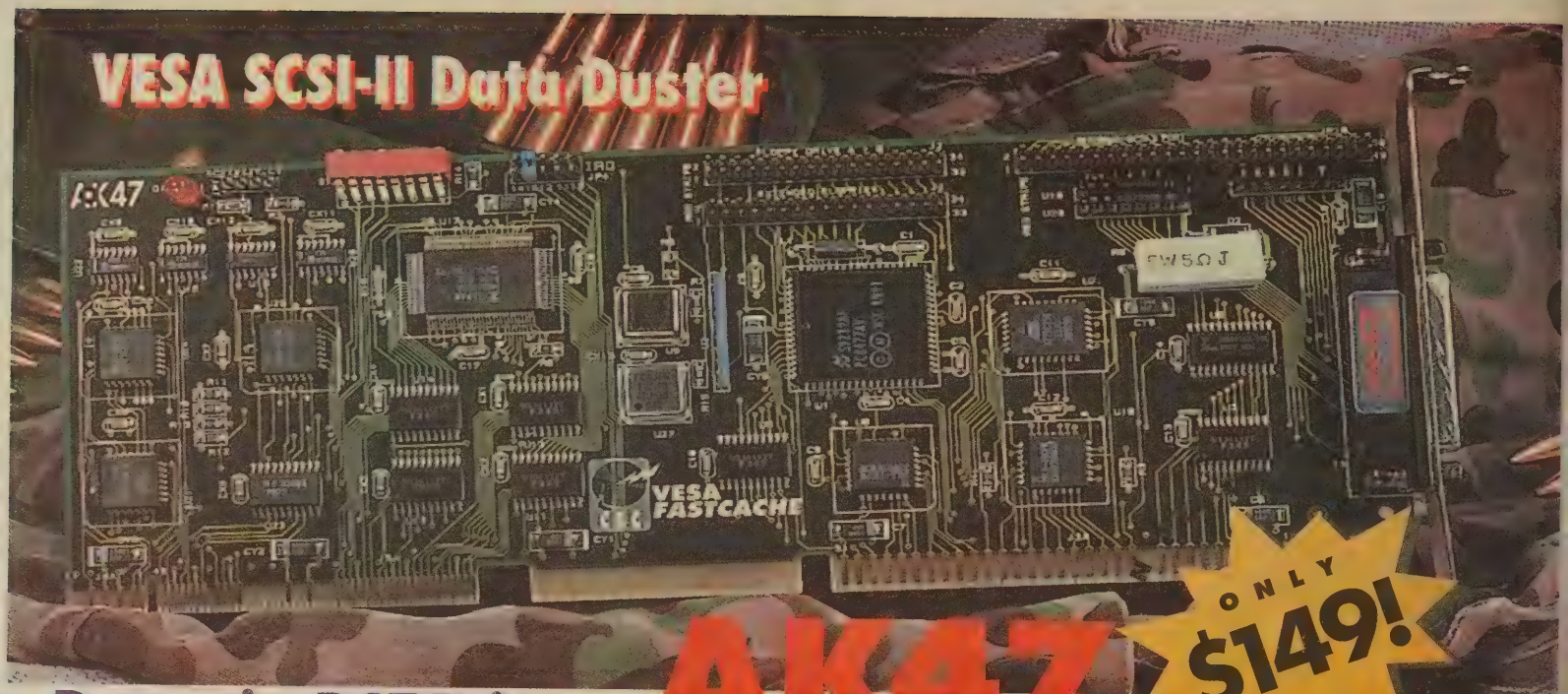

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SCSI POWER TOWER

CSC is now manufacturing the ultimate SCSI enclosure. Up to 8 half height SCSI hard, CD-ROM, optical, and tape drives can be configured to your specifications.

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continued from page 12

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Albany, CA 94706
(510) 526-7741 Fax: (510) 526-7859
Areas of Specialty (and In-House Specialist): networking (staff); accounting programs (staff); desktop publishing (staff)
Operating Systems Supported: MS-DOS, Amiga, Windows, Windows NT, OS/2, Novell, LANtastic
Top-Selling Brands in 1993: Hewlett-Packard, Toshiba, Okidata
Special Value-Added Services: Complete sales and support staff. We carry memory upgrades for all computer makes and models. Complete warranty, in-house repair.

AUBURN

Candle Engineering

Store manager: Mark Smith
313 Nevada St.
Auburn, CA 95603
(916) 885-9912 Fax: (916) 885-9039
Areas of Specialty (and In-House Specialist): Windows development (Carl Engel); Invisible Net (Mark Smith); communications (Janet Nace)
Operating Systems Supported: MS-DOS, Windows, QNX
Top-Selling Brands in 1993: Microsoft, Panasonic, Borland
Special Value-Added Services: We provide a full range of services, including office automation, systems development, network apps, c/C++, Windows development, and multitasking, multiuser systems.

Belmont

Cost-Effective Solutions, Inc.
Store manager: Bruce Grant
555 O'Neill Ave., Ste. 16
Belmont, CA 94002
(415) 595-0310 Fax: (415) 591-4510
Areas of Specialty (and In-House Specialist): insurance agency applications (Bruce Grant); networks (Bruce Grant); MVS systems programming (Bruce Grant)
Operating Systems Supported: MS-DOS, Windows, OS/2
Top-Selling Brands in 1993: Microsoft, Borland, Invisible software
Special Value-Added Services: Software customization, user-friendly menus. Free telephone support for short calls (15 min.) from clients. Consulting services.

BENICIA

Ryno Computer

Store manager: Steven Kaplan
4253 Park Rd.
Benicia, CA 94510
(707) 746-6252 Fax: (707) 746-0482
Areas of Specialty (and In-House Specialist): networking (staff); imaging (staff); work flow (staff)
Operating Systems Supported: MS-DOS, Windows, Windows NT, SCO, UNIXware, OS/2, Novell and NT
Top-Selling Brands in 1993: DTK, Novell, Hewlett-Packard
Special Value-Added Services: Complete training center with 14-station network. On-site service, leasing, return, and upgrade policy. Systems integration specializing in imaging, work flow, mainframe connectivity.

Shaw and Associates

Store manager: Larry Shaw
1090 Adams St.
Benicia, CA 94510
(707) 747-0816 Fax: (707) 747-0916
Areas of Specialty (and In-House Specialist): SBT (Alan); WordPerfect (Larry)
Operating Systems Supported: MS-DOS, Windows
Top-Selling Brands in 1993: DTL, IBM, AST
Special Value-Added Services: Custom software, sales, service, and networks.

BERKELEY

Computer Link

Store manager: Abass Sabbah
2324 Shattuck Ave.
Berkeley, CA 94704
(510) 540-8283 Fax: (510) 540-8285
Areas of Specialty (and In-House Specialist): OS/2 (Abass); Novell (Abass); SCO UNIX (Pearson Huang)
Operating Systems Supported: MS-DOS, Windows, Windows NT, UNIX, OS/2, Novell
Top-Selling Brands in 1993: MDS systems, Orchid, high capacity
Special Value-Added Services: Software training, warranty 1-2-3. One-year parts, two-years motherboard, three-years labor.

M.A.C.

Store manager: Albert Ho
21561A University Ave.
Berkeley, CA 94704
(510) 644-0500 Fax: (510) 644-0584
Areas of Specialty (and In-House Specialist): data recovery (staff); multimedia (staff); education (staff)
Operating Systems Supported: Macintosh, Ethernet
Top-Selling Brands in 1993: SuperMac, Apple, Quark
Special Value-Added Services: Rentals and leasing available. In-house repairs on all Macintosh products. Special education software pricing.

McTek Systems, Inc.

Store manager: Charles Lee
1521 San Pablo Ave.
Berkeley, CA 94701
(510) 525-5129
Areas of Specialty (and In-House Specialist): networking (staff); dBase (staff); accounting (staff)
Operating Systems Supported: MS-DOS, Windows, Windows NT, UNIX, Macintosh, Novell
Top-Selling Brands in 1993: Texas Instruments, AST, Toshiba
Special Value-Added Services: Repairs and upgrades, extended warranty, training, complete warranty.

PC Ten

Store manager: Steve Lin
1533 Solano Ave.
Berkeley, CA 94707
(510) 527-1388 Fax: (510) 527-7006
Areas of Specialty (and In-House Specialist): networking (staff); Windows (staff); WordPerfect (staff)
Operating Systems Supported: MS-DOS, Windows, Windows NT, OS/2, Novell
Top-Selling Brands in 1993: Conner, Maxtor, Logitech
Special Value-Added Services: Two-year parts warranty, one-year labor warranty. Nationwide express on-site service. Networking services. We carry all multimedia products.

UC Computer

Store manager: Anita Shure
2556 Telegraph Ave.
Berkeley, CA 94704
(510) 649-6089 Fax: (510) 540-5579
Areas of Specialty: hardware, accessories, software
Operating Systems Supported: MS-DOS, Windows, Windows NT, UNIX, OS/2, Novell, LANtastic
Top-Selling Brands in 1993: ALR, AMI, UC

Reseller 1994 Guide

MICROTIMES 1994 DIRECTORY

Special Value-Added Services: Consulting, extended warranty, on-site service, support, training.

Uncle Ralph's

Store manager: Terry Lim
2569 Telegraph Ave.
Berkeley, CA 94704
(510) 841-5280 Fax: (510) 841-4743
Areas of Specialty (and In-House Specialist): Novell (staff); LANtastic (staff); WordPerfect (staff)
Operating Systems Supported: MS-DOS, Windows
Top-Selling Brands in 1993: Packard Bell, Touch, Panasonic
Special Value-Added Services: Same-day computer repair, open seven days a week, thirty-day refund privilege. Low-price guarantee. On-site service available.

Whole Earth Access

Store manager: Barbara Wilkinson-Witt
2990 7th St.
Berkeley, CA 94710
(510) 845-3000 Fax: (510) 845-9707
Operating Systems Supported: MS-DOS, Windows, Windows NT, Macintosh, OS/2
Top-Selling Brands in 1993: Apple, Hewlett-Packard, IBM
Special Value-Added Services: Service, training, support, extended warranties available. Demo days, seminars, best price guarantee, open weekends and evenings, wide assortment of products.

Whole Earth Access Corporate Sales

Store manager: Bill Taylor
2920 7th St.
Berkeley, CA 94710
(510) 204-8800 Fax: (510) 204-8810
Operating Systems Supported: MS-DOS, Windows, Windows NT, Macintosh, OS/2
Top-Selling Brands in 1993: Apple, Hewlett-Packard, IBM
Special Value-Added Services: Service, training, support, extended warranties available. Demo days, seminars, best price guarantee, open weekends and evenings, wide assortment of products.

Winners Circle

Store manager: Andy Jong
2618 Telegraph Ave.
Berkeley, CA 94704
(510) 845-4823
Areas of Specialty (and In-House Specialist): multimedia (Jack Palmatier); desktop publishing (Vincent DePhillipo); networking (Andy Jong)
Operating Systems Supported: MS-DOS, Amiga, SCO, Macintosh, OS/2, UNIX/Xenix, TOPS, Atari
Top-Selling Brands in 1993: AST, Texas Instruments, Amiga
Special Value-Added Services: On-site service, free training, BBS, free technical support, user groups, public domain library, free classes.

BURLINGAME

California Computer Show & Sale

Store manager: Joe Milligan
330 Primrose Rd., Ste. 303
Burlingame, CA 94010
(415) 340-9114 Fax: (415) 344-0947
Areas of Specialty: computer trade shows
Operating Systems Supported: MS-DOS, Windows, UNIX
Top-Selling Brands in 1993: IBM compatible, peripherals, name brands
Special Value-Added Services: The widest selection of merchandise at the lowest possible prices in the US.

Computer Spectrum of Burlingame

Store manager: Nancy Doss
214 California Dr.
Burlingame, CA 94010
(415) 347-4576 Fax: (415) 347-3840
Areas of Specialty (and In-House Specialist): Amiga video (Robert Luster); interactive multimedia (Gary Doss); mobile computing
Operating Systems Supported: MS-DOS, Amiga, Windows
Top-Selling Brands in 1993: Amiga, Spectrum 486PC, TI400 series notebooks
Special Value-Added Services: Computer Spectrum is a full-service computer dealer specializing in small-business networks, video systems and interactive multimedia. We also specialize in portable computers and cellular phones working together.

LAN Solutions

Store manager: Yung-I Chu
25 Castle Ct.
Burlingame, CA 94010
(415) 579-1004 Fax: (415) 343-5617
Areas of Specialty (and In-House Specialist): Novell Netware (Yung-I Chu); Windows (Yung-I Chu); DOS applications (Yung-I Chu)
Operating Systems Supported: MS-DOS, Windows, Windows NT, Macintosh, Novell
Top-Selling Brands in 1993: AST, Acer, Micronics
Special Value-Added Services: Novell network installation, design, and service. Custom system design, needs analysis and troubleshooting.

Sunlight Computer & Supplies

Store manager: Bernard Ho
6 Adrian Ct.
Burlingame, CA 94010
(415) 692-0711 Fax: (415) 692-1348
Areas of Specialty (and In-House Specialist): 486, 386 IBM compatible (Bernard/Barry); Maxtor, Con-hard disk (Bernard/Barry); multimedia (Eric)
Operating Systems Supported: MS-DOS, Amiga, Windows, Windows NT, UNIX, OS/2, Novell, Zenix
Top-Selling Brands in 1993: multimedia kits, 486 systems, hard disk, Maxtor, Conner
Special Value-Added Services: We provide best quality, best technical support, best prices. Come and join thousands of satisfied customers.

CAMPBELL

AccounTech

Store manager: Brian Buckner
1777 S. Bascom Ave., Ste. 290
Campbell, CA 95008
(408) 266-2660 Fax: (408) 266-2677
Areas of Specialty (and In-House Specialist): Novell Netware (Brian Buckner); FoxPro for Win/DOS (Brian Buckner)
Operating Systems Supported: MS-DOS, Windows
Top-Selling Brands in 1993: Hewlett-Packard, Tower, Compaq
Special Value-Added Services: dBase/Foxpro/Clipper database programming, network installations.

Fry's Electronics, Inc.

Store manager: Shahriar Saraj
600 E. Hamilton Ave.

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VESA LB 486DX-50MHz 256K w/Intel CPU	540
VESA LB 486DX2-66MHz 256K w/Intel CPU	615
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IDE 4A $29
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486DX-33MHz	$1338
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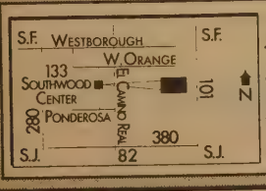

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Store manager: Jeff
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Capitola, CA 95010
(408) 479-7319 Fax: (408) 479-4316
Areas of Specialty (and In-House Specialist): Novell (Jeff Chang); LANtastic (Jeff Chang)
Operating Systems Supported: MS-DOS, Windows, Windows NT, OS/2, Novell
Top-Selling Brands in 1993: Libre Systems, Conner, Cirrus Logic
Special Value-Added Services: Heavily service oriented plus we offer service contract. Three-year warranty. First year parts and labor on-site, second and third year labor only carry in.

CASTRO VALLEY

oTm Enterprises

Store manager: Larry Bickers
PO Box 20404
Castro Valley, CA 94546
(510) 886-1557 Fax: (510) 886-1557
Areas of Specialty (and In-House Specialist): custom Paradox applications (Larry Bickers)
Operating Systems Supported: MS-DOS, Windows
Special Value-Added Services: Training and troubleshooting in Paradox 4.0, 3.5.

CONCORD

Aim Computers

Store manager: Kevin Leung
1741C Clayton Rd.
Concord, CA 94520
(510) 687-2822 Fax: (510) 687-5276
Areas of Specialty (and In-House Specialist): PageMaker (Kevin Leung); multimedia (Kevin Leung); networks (Kevin Leung)
Operating Systems Supported: MS-DOS, Windows, Windows NT, SCO, OS/2, Novell, LANtastic
Top-Selling Brands in 1993: Western Digital, Compaq, Orchid
Special Value-Added Services: Lifetime labor, one-year parts warranty. Custom configuration, software installation. Phone technical support. On-site available. Multimedia specialist.

American Lasertek

Store manager: Mark Chase
1301 Franquette Ave., Ste. C
Concord, CA 94520
(510) 827-9220 Fax: (510) 827-9226
Areas of Specialty (and In-House Specialist): laser printer toner cartridges; laser printer service and repair; laser printer supplies
Operating Systems Supported: MS-DOS, Macintosh
Top-Selling Brands in 1993: Recycled toner cartridges, Hewlett-Packard supplies, Apple supplies
Special Value-Added Services: American Lasertek specializes in the recycling of most laser printer consumable products. We maintain a complete staff of printer technicians for a variety of services and repair.

Backyard Computer Services

Store manager: Spiro Mitsanas
1842 Colfax St.
Concord, CA 94520
(510) 689-3733
Areas of Specialty (and In-House Specialist): all hardware applications (staff); monitor repair (staff); multimedia (staff)
Operating Systems Supported: MS-DOS, Windows, Windows NT, SCO, ATT, OS/2, Novell
Special Value-Added Services: Open return policy. We specialize in customer support in all aspects of computing. Hardware repair for over ten years.

Domino Computer - Concord

Store manager: Ulysses Francisco
1130D Burnett Ave.
Concord, CA 94520
(510) 682-8934 Fax: (510) 682-8940
Areas of Specialty: system analysis; software analysis
Operating Systems Supported: MS-DOS, Windows, OS/2
Top-Selling Brands in 1993: Intel, Microsoft, AMD
Special Value-Added Services: On the spot services while you wait—most instances. Lifetime warranty, labor-exclusions apply.

Nordic Computers

Store manager: Dennis Sorenson
5060 Commercial Cir.
Concord, CA 94520
(510) 687-3050
Areas of Specialty (and In-House Specialist): hardware design (staff); hardware upgrades (staff); hardware support (staff)
Operating Systems Supported: MS-DOS, Windows, Windows NT, UNIX, OS/2, Novell
Top-Selling Brands in 1993: Maxtor hard drives, Maxiswatch keyboards, ViewSonic monitors
Special Value-Added Services: Lifetime labor warranty. In-store repair service. Special corporate program. On-site service available. All of our machines have cache and we'll show you.

Paradine Computer Systems

Store manager: Norman Houshangi
2958 Treat Blvd. #A
Concord, CA 94518
(510) 825-6068 Fax: (510) 825-5940
Areas of Specialty (and In-House Specialist): system consulting and configuring (Ari Houshangi); medical office billing systems (Ari Houshangi); networking (Ari Houshangi)
Operating Systems Supported: MS-DOS, Windows, Windows NT, OS/2
Top-Selling Brands in 1993: Micronics, ViewSonic, Maxtor
Special Value-Added Services: Lifetime labor, one-year parts warranty. Five years free labor on all upgrades to systems. Free two-hour software installation. Very personal attention to customers' needs.

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Willows Shopping Center
Concord, CA 94520

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C.G.I. Tech
Store manager: Cyrous Gheyri
10355 Stern Ave.
Cupertino, CA 95014
(408) 973-4840 Fax: (408) 973-8710
Areas of Specialty: memory for Apple, IBM; buy used IBM-compatible systems
Operating Systems Supported: MS-DOS, Windows
Special Value-Added Services: Memory for Apple and IBM compatible. PC repairs.

Cupertino Computers, Inc.
Store manager: Larry Wood
10675 S. De Anza Blvd.
Cupertino, CA 95014
(408) 255-5997 Fax: (408) 255-7699
Areas of Specialty (and In-House Specialist): Windows NT (Larry Wood); LANtastic Network (Don Wood)
Operating Systems Supported: MS-DOS, Windows, Windows NT, OS/2
Top-Selling Brands in 1993: TEAC, Western Digital, Microsoft
Special Value-Added Services: One-year parts, three-years labor warranty.

Micro Station Technology
Store manager: T. Paul Lee
1140 Kentwood Ave.
Cupertino, CA 95014
(408) 253-3898 Fax: (408) 253-7853
Operating Systems Supported: SVR4
Top-Selling Brands in 1993: MST SVR4 UNIX, X11R5/MOTIF
Special Value-Added Services: Custom programming, UNIX drivers, XMOTIF GUI programming.

DALY CITY

Domino Computer
Store manager: Gary
7317 Mission St.
Daly City, CA 94014
(415) 994-7581 Fax: (415) 994-7582
Areas of Specialty (and In-House Specialist): customized computer systems (Ken); accounting packages (Teresa)
Operating Systems Supported: MS-DOS, Windows, OS/2
Top-Selling Brands in 1993: Domino, MRI
Special Value-Added Services: Build your own computer in our store, instant service and repair.

ONN Enterprise
Store manager: Sidney Shaw
749 Stewart Ave.
Daly City, CA 94015
(415) 756-6056 Fax: (415) 756-2683
Areas of Specialty (and In-House Specialist): desktop publishing (June Shaw); FoxBase (Kenneth Shaw); COBOL (Sidney Shaw)
Operating Systems Supported: MS-DOS, Windows, Windows NT, Macintosh
Top-Selling Brands in 1993: IBM compatibles
Special Value-Added Services: Desktop publishing, design, logos, brochures, bar-coding applications to dBase, FoxBase, DBXL applications.

DANVILLE

SoftSource
Store manager: Troy Brent
267 W. El Pintado, Ste. B
Danville, CA 94526
(510) 820-6643 Fax: (510) 820-6643
Areas of Specialty (and In-House Specialist): software distribution (Troy Brent); diskette duplication (Troy Brent)
Operating Systems Supported: MS-DOS, Windows, OS/2
Special Value-Added Services: Customer service; referrals to authors; thirty-day money-back guarantee.

DUBLIN

Comtek Computer
Store manager: Thuy Nguyen
6602 Dublin Blvd.
Dublin, CA 94568
(510) 803-1530 Fax: (510) 803-1531
Areas of Specialty (and In-House Specialist): database (Phu Nguyen); networking (Phu Nguyen)
Operating Systems Supported: MS-DOS, Windows, Windows NT, Novell
Top-Selling Brands in 1993: Maxtor, ViewSonic, Orchid
Special Value-Added Services: We offer complete systems or build your own service. Phone technical support. We provide complete networking solutions. Custom configuration available. One-year parts and one-year labor warranty.

EL CERRITO

Positive Solution Computer Inc.
Store manager: Kevin Ma
10032 San Pablo Ave.
El Cerrito, CA 94530
(510) 527-6908 Fax: (510) 527-3823
Areas of Specialty (and In-House Specialist): multimedia (staff); MIDI (staff); AV (staff)
Operating Systems Supported: MS-DOS, Windows, Windows NT
Top-Selling Brands in 1993: Keycat, Mitsumi, Positive Solutions
Special Value-Added Services: Seven-years labor warranty, one-year parts warranty on systems. Multimedia audio/video specialist. We specialize in repairs and upgrades.

Wentek
Store manager: Grace
10106 San Pablo Ave.
El Cerrito, CA 94530
(510) 524-0312 Fax: (510) 524-1534
Areas of Specialty (and In-House Specialist): IBM-compatible PC 386 and 486 systems
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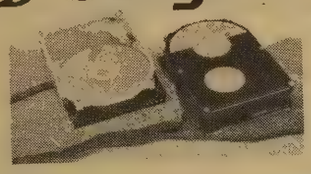

ST-3144A - 130Mb 16ms IDE.....$199.95
ST-3243A - 214Mb 16ms IDE.....$219.95
ST-3290A - 261Mb 16ms IDE.....$239.95
ST-3390A - 341Mb 12ms IDE.....$299.95
ST-3550A - 452Mb 12ms IDE.....$439.95
ST-3550N - 456Mb 12ms SCSI-2.....$519.95
ST-11200N - 1,050Mb 11ms SCSI-2...$929.95
ST-41650N - 1,400Mb 15ms SCSI-2...$1199.95
ST-12400N - 2,100Mb 11ms SCSI-2...$1699.95

Bargain Hunters' Specials

16-Bit Caching IDE/Floppy Controller	$89.95
2-Drive High-Density Floppy Controller	$19.95
4-Drive High-Density Floppy Controller	$19.95
2.88Mb Intelligent Floppy Controller	$19.95
4-Gang EPROM Programmer w/ software	$129.95
Universal Programmer/Tester w/ software	$349.95
Conner 250MB Tape Drive w/ tape	$139.95
16-Bit ESDI/Floppy Controller	$99.95
33MHz 386SX Motherboard	$64.95
33MHz i386DX Board w/64Kb Cache	$139.95
50MHz i486DX ISA Board w/128Kb Cache	$474.95
33MHz i486DX VL-Bus Motherboard	$399.95
66MHz i486DX/2 VL-Bus Motherboard	$599.95

All Bargain Hunters' items are limited to stock on hand and are subject to prior sale. Most Bargain Hunters' Specials are "Catalog Returns". These items have been tested and are covered by our 30-Day Money-Back Guarantee and 1-Year Warranty. Check out our current bargain specials at JDR's Catalog Outlet today.

Avanti 486SLC/25 Color Notebook

- Cyrix 25MHz 486SLC CPU / 4 Meg of RAM
- 8.5" 640x480x256-Color Backlit VGA LCD
- 120 Megabyte Hard Drive / 3.5" 1.44Mb FD
- 2400bps Modem and 9600bps Internal Fax
- Full-function, ergonomic 80-key Keyboard
- Built-in trackball mounted on LCD display
- 1 Par, 1 Ser, 1 Keyboard and 1 VGA port
- Includes software for built-in Fax/Modem
- Includes Microsoft DOS 6 & Windows 3.1
- One-Year Parts/Labor Warranty from JDR!

$2299.95

Intel OverDrive Processors

changes 486SX-20 to 486DX/2-40...$299.95
changes 486SX-25 to 486DX/2-50...$349.95
changes 486SX-33 to 486DX/2-66...$499.95
changes 486DX-33 to 486DX/2-66...$499.95
changes 486DX-25 to 486DX/2-50...$349.95
changes 486DX-33 to 486DX/2-66...$499.95

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Intel Smart Video Recorder

- Accepts NTSC, composite or S-VHS video
- Records up to 15 frames per sec, 320x240
- Records up to 30 frames per sec, 160x120
- Requires 256-color VGA w/ feature conn.
- Includes MS-Video for Wind. & MediaBlitz

$489.95

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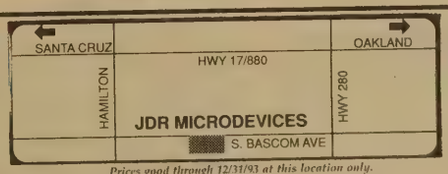
CATALOG OUTLET

1238 South Bascom Avenue
San Jose, CA 95128 408-280-7144 Fax: 408-947-8234



Prices good through 12/31/93 at this location only.
We are not responsible for typographical errors.

Outlet Hours:
Monday-Friday - 9:00am-7:00pm
Saturday - 9:00am-5:00pm
Sunday - 12:00pm-4:00pm

MasterCard VISA DISCOVER

Reseller 1994 Guide

MICROTIMES 1994 DIRECTORY

EMERYVILLE

Domino Computer - Emeryville

Store manager: Paul Tru
1552 Beach St., Ste. B
Emeryville, CA 94587
(510) 653-6286 Fax: (510) 653-6287
Areas of Specialty (and In-House Specialist): personal computer consultant (Paul); personal computer upgrade consultant (Paul)
Operating Systems Supported: MS-DOS, Windows, OS/2
Top-Selling Brands in 1993: Intel CPU, Conner HD, Samsung RAM

Microtech International

Store manager: Javid M.
5865 Doyle St.
Emeryville, CA 94608
(510) 658-1433 Fax: (510) 658-7339
Areas of Specialty (and In-House Specialist): Novell networks (Amer); Apple networks (Affif)
Operating Systems Supported: MS-DOS, Windows, Windows NT, Macintosh, OS/2, Novell
Special Value-Added Services: Service contracts, on-site installations, factory-authorized service on major brands.

FOSTER CITY

Computer Resource Center

Store manager: Jerry Schulz
1065 E. Hillsdale Blvd., #404
Foster City, CA 94404
(415) 573-9675 Fax: (415) 573-5317
Areas of Specialty (and In-House Specialist): Windows (Ralph Sharp); WordPerfect (Gwen Turnbo); Paradox (Jerry Schulz)
Operating Systems Supported: MS-DOS, Windows
Special Value-Added Services: Computer resource center offers professional classroom training on popular business software. Please call for catalog of classes.

Darcom Computer Systems

Store manager: Mike Stoye
558 Pilgrim Dr., Ste. C
Foster City, CA 94404
(415) 341-9600 Fax: (415) 341-9198
Operating Systems Supported: MS-DOS, Windows, SCO, Netware
Top-Selling Brands in 1993: Darcom, AST, MGC
Special Value-Added Services: One-year parts and three-years labor warranty on systems. We service most brands of computers and peripherals, in-house and on-site, San Mateo County area.

General Micro

Store manager: Roger Willis
1163 Chess Dr., #D
Foster City, CA 94404
(415) 572-2996 Fax:
Areas of Specialty: software consulting; system hardware engineering; computer marketing
Operating Systems Supported: MS-DOS, UNIX, OS/2
Top-Selling Brands in 1993: 486DX2-66, 486SLC-66
Special Value-Added Services: One full year parts and labor service warranty with any system purchased. We emphasize more on personal selling.

Laitron Inc.

Store manager: Wen-ming Lai
1169 Chess Dr., Ste. E
Foster City, CA 94404
(415) 578-8998 Fax: (415) 578-8880
Operating Systems Supported: MS-DOS, Windows, Windows NT, UNIX, OS/2
Special Value-Added Services: Service, support, warranties, delivery, on-site service.

FREMONT

3F Computers Inc.

Store manager: Sajjad Saiyed
4508 Enterprise St.
Fremont, CA 94538-6307
(510) 659-0403 Fax: (510) 651-9190
Areas of Specialty (and In-House Specialist): local/wide area networks (Ajaz, Nazim, Sajjad); SNA/VAX connectivity (Ajaz, Nazim, Sajjad); solution provider (Ajaz, Nazim, Sajjad)
Operating Systems Supported: MS-DOS, Windows, Windows NT, SCO, AT&T, Univel, Macintosh, OS/2
Top-Selling Brands in 1993: AST, Novell, Compaq
Special Value-Added Services: On-site/Depot service, phone support, training, free network estimates. Qualified network engineers. Over twenty years experience. Factory-trained technicians.

Aitech International

Store manager: Dr. Michael J.W. Elton
47971 Fremont Blvd.
Fremont, CA 94538
(510) 226-8960
Areas of Specialty (and In-House Specialist): desktop video/publishing, marketing presentations/image data multimedia hardware
Operating Systems Supported: MS-DOS, Amiga, Windows
Top-Selling Brands in 1993: Pro PC AV, Pro VGA/TV Plus, Pro Colon Plus

Bold Data Technology

Store manager: Vik Vakil
920 Auburn Ct.
Fremont, CA 94538
(510) 490-8296 Fax: (510) 490-9428
Operating Systems Supported: MS-DOS, Windows, Windows NT
Special Value-Added Services: Complete warranty, custom configuration.

CBI

Store manager: Raj Kumar
41348 Christy St.
Fremont CA 94538
(510) 651-6256 Fax: (510) 651-1932
Areas of Specialty: 286-486 systems; multimedia products
Operating Systems Supported: MS-DOS, Windows

DataWest Computer System

Store manager: Shakir Khan
46750 Fremont Blvd., Ste. 101
Fremont, CA 94538
(510) 490-6494 Fax: (510) 659-1575
Areas of Specialty (and In-House Specialist): Novell (Au Fazili); dBase (Miguel Rodriguez); accounting (Dan Sheth)
Operating Systems Supported: MS-DOS, Windows, Windows NT, UNIX, Macintosh, OS/2, SQL
Top-Selling Brands in 1993: Macintosh, IBM, Compaq
Special Value-Added Services: On-site service. Complete factory authorization on all brands. Authorized Novell reseller.

Deys Engineering

Store manager: Syed Naqui

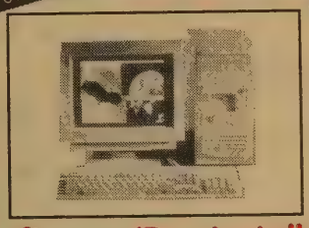
COMPUTER WERX

FAX US YOUR SPECS & REQUIREMENTS...SAME DAY RESPONSE!

HYUNDAI Personal Computer Division

intel inside

486 MULTIMEDIA SERIES



HYUNDAI 433SMM Multimedia System:

- Mini Tower 486SX-33 MHz Upgradable w/Overdrive
- 2 Versa Slots
- 4 MB Memory
- High Performance Windows Accelerated VESA Video Card w/1 MB
- 170 MB Hard Disk Drive
- 1.44 MB Floppy Drive
- X/A Multi-Session CD-ROM Drive
- 16 Bit-44KHz Sound Blaster/Adlib Compatible Sound Card
- High Quality Amplified Speakers
- Keyboard/Mouse
- 2 Serial/1 Parallel Ports
- 200 Watts Power Supply
- FCC Class B, UL, CSA Safety Approved
- Monitor Not Included

$1656

Software (Pre-Installed)

- DOS 6.0
- Windows
- HSC Interactive
  Advanced Multimedia Authoring Made Easy
  Add Audio, Video, Animation & Sound To Presentations
- HSC Perspective SE
  Create Advanced Graphics With Easel
- Audio Tracks
  A Complete Collection Of Sounds to Add Impact To Presentations
- Kodak Photo CD CD Title
  Enter The World Of Digital Photography
- Interplay India Jones CD
  Title Fun & Advenure At Its Best
- Comptons Interactive Encyclopedia CD Title
  A Complete Encyclopedia With Sound, Animation Video & More!
- Mayo Clinic CD Title
- Dinousaurs CD Title
- Sound Impressions-Full CD & Audio File Management With Multi-Track Capability

OTHER MODELS OFFERED:

- 33 MHZ I486DX CPU-MODEL 433DMM
- 50 MHZ I486DX2 CPU-MODEL 450DMM
- 66 MHZ I486DX2 CPU-MODEL 466DMM

COMPAQ

CALL WITH YOUR REQUIREMENTS

PORTABLES	DESKTOPS
CONTURA 486SL/25/4/120/209	ALL CONFIGURATIONS
CONTURA 486SL/25C/4/120/209	DESKPRO PENTIUMS
LTE LITE 486SL/25/33/120/209	DESKPRO 486 SYSTEM
PORTABLE 486SLC/25/33/120/209.	PROLINEA 486 SYSTEM
PORTABLE 486/66/4/210/525	PROSIGNIA SYSTEMS

COMPAQ MONITORS AND PRINTERS ALSO!!

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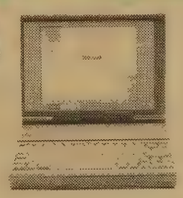
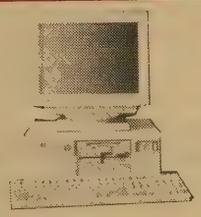
BUY THE NEW AST BRAVO NOTEBOOK
And Receive A Certificate For 3 Nights Lodging & 2 Day Lift Tickets For 2 People At One of 11 Resorts In The Rockies!
Call For Details!

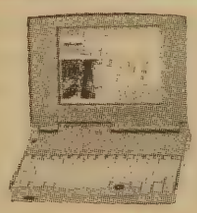
AST RESEARCH INC.



AST POWER EXEC
MONO, COLOR OR COLOR PLUS SCREENS, 486SL/25 OR 33 MHz, 2 PCMCIA TYPE II SLOTS, FLASH BIOS, 6.45 HOURS OF BATTERY LIFE, 6.9 LBS., AVAILABLE WITH 60, 80, 120, 160, OR 200 MB HARD DRIVES



AST PREMMIA, MANHATTAN, AST BRAVO 1C, 1P & MT
AVAILABLE 3 YR. WARRANTY ON ALL HARD DRIVE MODELS. Call With Your Specifications For Current Pricing and Availability



AST BRAVO NOTEBOOKS
Value Priced But Loaded With Options Including: MONO or COLOR, DUAL SCAN ACTIVE, 80/120/170 MB HARD DRIVES, 1 PCMCIA TYPE 1 SLOT, NIMH BATTTERY & CHARGER, 1 YEAR EXECARE PLUS WARRANTY

COMPUTER WERX SERVICE CENTER

- Compaq
- Ast Research
- AST Manhattan SMP

Authorized Service Center
Complete Affordable Solutions To All Your Service Needs

- Upgrades
- RAM Installation
- Storage Expansion
- Installation
- Repair

Novell Certified NetWare Engineer

NETWORKING SOLUTIONS

On-Board Certified Netware Engineer (CNE) To Support Your Networking Needs

- Complete Pre-Site Inspection
- LAN Consultation
- Netware Installation
- Netware Configuration
- Netware LAN Troubleshooting

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Computer Werx Offers A Wide Variety Of Services For Its Corporate Clientele

- Extended Service Contracts
- Comprehensive One-Year On-Site
- Annual On-Site
- Quarterly Preventive Maintenance and more....

On-Site Diagnostic and Repairs For Most PC's And Laser Printers

15" MONITOR
$349

MONITOR SPECIAL!

15" FLAT SCREEN NEC TUBE
1280 X 1024 .28 Non-Interlace
w/Power Saving Mode and
1 Year Part & Labor Warranty

MONITORS

C-WERX 14" 1024x768 .28 NI	$259
C-WERX 14" 1280x768 .28 NI	$349
MAG 5 FGE	CALL

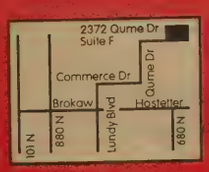
Most Major Brands Available CALL

VIDEO CARDS

ORCHID FAHRENHEIT	$155
ORCHID PRO-DESIGNER	$119
TWIN SOUND MULTIMEDIA STEREO SPEAKER KIT	$60
PARADISE SVGA 1 MB 1280x1024 CARD	$65

CLEARANCE

AST POWER EXC 386 SL/20, 40/60 MB	$1679
AST PREMIUM II/ISA 386 DX/25, 2MB,MOD 386	$475
AST PREMIUM 386 DX-33 EISA, 2MB, MOD 3	$895
TEAC 150 SCSI TAPE BACK-UP EXTERNAL	$245
MICROPHONE II/WINDOWS	$89



2372 QUME DRIVE, SUITE F
SAN JOSE, CA 95131
TEL: (408) 954-0490 Fax: (408) 954-0496

C-WERX

CORPORATE PO'S WELCOME

Networking Super - Source

Tanstaafl Mfg. is your best source for high quality networking needs. We offer the best price performance values available anywhere

HUBS and REPEATERS

Features:

- Full 802.3 Compliance
- 2 Year warranty
- Autopartioning
- Status Leds.

9 port (8 RJ45, 1 BNC) #ER5390 $209.00
18 port (16 RJ45, 2 BNC) #ER5391 $399.00
12 port Stackable (upgradable to SMNP) #LW4010 $549.00
SNMP management unit (controls up to 16 LW4010 Hubs) #LW4011 $599.00
2 PORT REPEATER #ETMPR2 $329
4 PORT REPEATER #ETMPR4 $499

MAUS

Features:

- 802.3 Compliant
- USA Made
- 2 Year Warranty
- Sqe Enable/Disable

!10 BT #2010-TP $48 (5 status Leds)

10 B2 #2010-BNC $48 (2 status Leds)

10 B-fo #2010-FO $219

PC I/F Cards

Features:

- Limited lifetime warranty
- Novell Certified
- Multi packet buffering

16 Bit 10 Base 2 #2000C $49
16 Bit 10 Base T #2000T $49
32 Bit VLB 10 Base 2/t #EN4200 $429
Pocket ethernet adaptor 10 Base 2 & T $129

Print Servers

Call for full specs

Single Port 10 Base 2 #AS100 $449
Single Port 10 Base T #AS 200 $449
Dual Port 10 Base 2&T #AS 300 $649
Quad Port 10 Base 2&T #AS 400 $729
10 Port 10 Base 2 #XL1-IP $729
18 Port 10 Base 2 #xl2-IP $895

Manual Data Switches

Serial & Parallel Switch Boxes

Features:

- Available in 25 pin or 36 pin styles
- Fully shielded, all metal construction
- 5 Year warranty
- 2 - 5 position models
- All pins wired through

Ordering Information
25 Pin (DB25F) switches

Part #	Description	Price
25AB2	2 In - 1 Out	$14.95
25AB3	3 In - 1 Out	$19.95
25AB4	4 In - 1 Out	$24.95
25AB5	5 In - 1 Out	$29.95

Ordering Information
36 Pin (Centronics) switches

Part #	Description	Price
36AB2	2 In - 1 Out	$19.95
36AB3	3 In - 1 Out	$24.95
36AB4	4 In - 1 Out	$29.95
36AB5	5 In - 1 Out	$34.95

Low cost elect. printer sharing

Print-Share for sharing 1 or 2 Printers

Features and Benefits:

- Low cost
- Simple to use
- Automatic operation
- No waiting to print!
- No software drivers
- Cables included! (2-10 foot & 2-25 foot)

Ordering Information

Print-Share comes complete with cables, power unit, & user manual. Models differ only in the amount of buffer memory installed.

Model	Buffer	~~Price~~	Sale Price
PS-1	64K	~~$299.00~~	$199.00
PS-2	256K	~~$349.00~~	$249.00
PS-3	1 Meg.	~~$399.00~~	$299.00

Mid range buffered printer sharing

Print-Share^{XL} for sharing 1 to 4 Printers & up to 7 computers

Features and Benefits

- Low cost
- No training required
- No waiting to print!
- Automatic operation
- No software drivers
- Large buffer memory
- Cables included!

Print-Share^{XL} is available in 3 models. All models come complete with cables, power unit, & manual. Models differ only in the amount of buffer memory installed.

Model	Buffer size	~~Price~~	*ON SALE*
XL-1	256K	~~$399.00~~	$299.00
XL-2	1 Meg.	~~$449.00~~	$349.00
XL-3	4 Meg.	~~$599.00~~	$499.00

Printer / plotter sharing

Easy-Share

Features and Benefits:

Supports any combination of serial or parallel ports.
Any port connects to any serial or parallel device.
Simple to use. (no training required)
Automatic operation. (no operator controls)
Guaranteed Compatibility. (No software drivers)
Large buffer memory. (up to 4 Megabytes)
You save time! (by not having to wait to print.)
Expandable! (Chain units for up to 56 devices)

Ordering information

Model	Ports (#Ser/#Par)	Price
ES-4	8/0	$595
ES-9	7/1	$595
ES-6	6/2	$595
ES-8	5/3	$595
ES-5	4/4	$595
EP-8	3/5	$595
EP-6	2/6	$595
EP-9	1/7	$595
EP-4	0/8	$595

Extra buffer memory
256K $25
1 Megabyte $50

Parallel Cables

Features and Benefits:

- Available in Male-Male or Male-Female
- All 25 wires connected straight through
- Lifetime warranty
- Fully shielded

Ordering Information

Part#	Description	-6 (6 foot)	-10 (10 foot)	-15 (15 foot)	-25(25 foot)
CP-x-XT	DB25 Male to DB25 Male	$5.95	$8.95	$10.95	$24.95
CP-x-MF	DB25 Male to DB25 Female	$5.95	$8.95	$10.95	$24.95
CP-x-36P	DB25 Male to 36 Pin Centronics	$8.95	$12.95	——	

Tanstaafl offers a complete line of both serial and parallel cables. If you don't see it here or need special length cables call our order desk for assistance.

Fast-Link / LPT Link

Parallel cable extender / Par. to ser. converter

Fast-Link Features & Benefits:

- Reach distant parallel printers.
- High speed data transfer. (up to 16 X faster than serial cables)
- Arrange *your* office *your* way.
- Move noisy printers to another room.
- "Plug and Print operation". (No switches, no software, just plug it in and print.)

LPT-Link Features:

- Solve port mismatch problems
- Transparent operation
- Low Cost

Ordering information

Fast-Link	Length	Price	Lpt-Link	Length	Price
FL-050	50'	$129	LPT-0	No cable	$59.95
FL-100	100'	$149	LPT-50	50'	$69.95
FL-150	150'	$169	LPT-100	100'	$89.95

Longer cables are available for $20 each additional 50'

Tanstaafl Mfg., Inc. 2064 Walsh Ave Ste. B Santa Clara CA 95050

800-776-5676

Reseller 1994 Guide

MICROTIMES 1994 DIRECTORY

44380 S. Grimmer
Fremont, CA 94538
(510) 770-1969 Fax: (510) 770-1969
Areas of Specialty (and In-House Specialist): networking solutions (Navaz Basravi); repairs and upgrades (Syed Naqui); custom software (Navaz Basravi)
Operating Systems Supported: MS-DOS, Windows, Windows NT, Macintosh, OS/2, Novell
Special Value-Added Services: PC upgrades specialist. We provide complete networking solutions. On-site service available. 24-hour turnaround service available.

Digital Media Labs

Store manager: Andrew Ngo
47913 Fremont Blvd.
Fremont, CA 94538
(510) 438-9088 Fax: (510) 438-9048
Areas of Specialty (and In-House Specialist): multimedia (staff); video production (staff); multimedia consulting (staff)
Operating Systems Supported: MS-DOS, Windows, Windows NT, Macintosh, OS/2, Novell, Ethernet
Special Value-Added Services: Multimedia specialist since 1988, complete multimedia facility. Audio and video integration solutions. Complete knowledge of multimedia products.

Domino Fremont

Store manager: Mark Smith
46573 Mission Blvd.
Fremont, CA 94539
(510) 623-7181 Fax: (510) 623-6905
Areas of Specialty (and In-House Specialist): computer reseller (Kelly Curtis); Novell networks (Mark Smith)
Operating Systems Supported: MS-DOS, Windows, Windows NT, SCO, OS/2, Novell
Top-Selling Brands in 1993: MRI (Micro Research Inc.) - our own design
Special Value-Added Services: We upgrade computers at our location or customers'. Specialize in Novell and Unix networks/training. Specialize in SBT bookkeeping software.

Ency System

Store manager: Joaquin Moreno
46743 Fremont Blvd.
Fremont, CA 94538
(510) 226-1848 Fax: (510) 226-0560
Areas of Specialty (and In-House Specialist): GUI (Joaquin Moreno); video graphics (Eric Jen)
Operating Systems Supported: MS-DOS, Windows, OS/2
Top-Selling Brands in 1993: Intel, Genoa, Orchid
Special Value-Added Services: Thirty-day money-back guarantee. On-site available from Nationwide Warranty Corp. Five-years labor. Two-years parts. Free technical support. All systems pentium technology ready.

Fry's Electronics, Inc.

Store manager: Don Dukes
440 Mission Ct.
Fremont, CA 94539
(510) 770-3797 Fax: (510) 770-3700
Areas of Specialty (and In-House Specialist): computer dept. manager (Al Vijeh)
Operating Systems Supported: MS-DOS, Windows, Windows NT, Santa Cruz, Macintosh, OS/2
Special Value-Added Services: Custom integration, Novell Gold-authorized sales and configuration, network cabling and connectors, weekly vendor-sponsored educational demonstrations. Over 10,000 electronic items in stock seven days a week.

Gigabytes

Store manager: Carrie Harrington
161 Mission Falls Ln.
Fremont, CA 94539
(510) 440-8032 Fax: (510) 440-9099
Areas of Specialty (and In-House Specialist): data recovery (staff); human resources (staff); systems integration (staff)
Operating Systems Supported: MS-DOS, Windows, Windows NT, SCO, Macintosh, OS/2, Sitka networks
Top-Selling Brands in 1993: ALR, Radius
Special Value-Added Services: On-site support. Data recovery experts. Human resource integration.

Golden Micro Computers

Store manager: Jeff Huang
46560 Fremont Blvd., Ste. 408
Fremont, CA 94538
(510) 623-0866 Fax: (510) 623-0321
Areas of Specialty (and In-House Specialist): hardware configuration (Jeff Huang); networks (Jeff Huang)
Operating Systems Supported: MS-DOS, Windows, Windows NT, Macintosh, OS/2, Novell
Top-Selling Brands in 1993: Maxtor, Conner, ViewSonic
Special Value-Added Services: Five-years labor, one-year parts on systems. PC repairs and upgrades welcome. Extended warranty, custom configuration.

Herb's Discount Store

Store manager: Shawn Jones
4406A Enterprise Pl.
Fremont, CA 94538
(510) 490-6335 Fax: (510) 490-6337
Operating Systems Supported: MS-DOS, Amiga, Windows, Windows NT, UNIX, Macintosh, OS/2, all
Top-Selling Brands in 1993: Microsoft, Symantec, Lotus
Special Value-Added Services: We are a computer software liquidator. We have products for virtually every requirement.

Jump Micro Systems

Store manager: Henry Lu
43446 South Grimmer Blvd.
Fremont, CA 94538
(510) 440-8006 Fax: (510) 440-0703
Areas of Specialty (and In-House Specialist): network design and installation (Henry Lu); Interlink for IBM/UNIX/Novell (Henry Lu); SBT accounting database (Henry Lu)
Operating Systems Supported: MS-DOS, Windows, Windows NT, Sun Solaris/SCO/Univel, Novell
Top-Selling Brands in 1993: Novell, Univel, SBT
Special Value-Added Services: Free telephone technical support from CNE, complete demonstrations of office automation products. Interlink cross platform specialists.

King Star Computers

Store manager: Wendy Liu
46560 Fremont Blvd. #305
Fremont, CA 94538
(510) 659-8590 Fax: (510) 659-8644
Areas of Specialty (and In-House Specialist): DOS (Charles Jing); Windows (Charles Jing)
Operating Systems Supported: Windows
Top-Selling Brands in 1993: IBM, Orchid, ViewSonic
Special Value-Added Services: One-year warranty parts and labor on systems.

Libre Service Computer, Inc.

Store manager: Morris
48860 Millmont Dr., #102C
Fremont, CA 94538
(510) 438-0402 Fax: (510) 438-0489
Areas of Specialty (and In-House

The Printer Works Introduces the SP-29000

This PostScript Laser Printer is Absolutely an Incredible Value!

Our price for this 6 ppm PostScript printer is about the same as the lowest priced 4 ppm printer without PostScript!

Only $595
With Toner

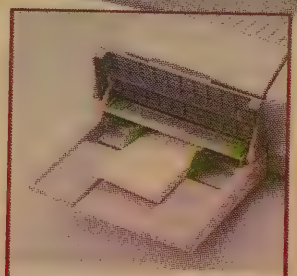
30 DAY MONEY BACK GUARANTEE

The Printer Works has been bringing you the best deals on PostScript printers for years. (Remember our "PostScript for Peanuts" campaign that offered the JetScript-CX for only $995 when most other 8ppm PostScript printers were priced at over $2,000?) The new SP-29000 printer is our best deal ever! It costs less and offers even more—just look at all the important features you get for only $595:

- PC and Macintosh compatible—the SP-29000 can connect to both simultaneously!
- High-speed, 32-bit AMD RISC processor for fast formatting of complex PostScript jobs
- Reliable 6 page per minute engine—the same model used in more expensive printers!
- MicroSoft TrueImage PostScript-compatible interpreter
- Great for all Windows and Macintosh applications
- 35 Scalable TrueType fonts
- AppleTalk, Centronics Parallel, and RS-232 Serial Interfaces

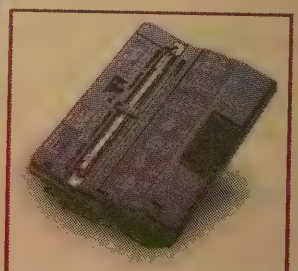
Economy Toner Dial

Now it's easy to make your toner cartridge last longer, and still get good printouts! Simply turn down the print intensity dial while printing drafts, and turn it up again for the deep rich blacks you want on your final output!



High-Capacity Universal Paper Tray

The SP-29000 lets you print letterhead and envelopes without having to stop and switch cumbersome paper trays! One tray does it all! The high-capacity universal paper tray is fully adjustable for up to 250 sheets of letter, legal, or executive size paper. It can also be used for up to 25 envelopes.



All-In-One Toner Cartridge

This high-capacity toner cartridge contains a long-life super drum and enough toner to print 8000 pages before refilling! (That's 2-3 times more than other printers!) The toner is the latest micro-fine variety which produces super rich black areas and very sharp fine lines. These cartridges are readily available in the market (and from us!)

PostScript is essential for compatibility with professional desktop publishing and graphics applications. It's also easier to use for general business applications. If you've been shopping for a laser printer, you know that PostScript printers generally cost twice as much as non-PostScript printers. Our price for this PostScript printer is about the same as the lowest priced 4 ppm printers without PostScript. So don't risk being stuck without PostScript when you can now get it for the same price! Like every product we sell, this printer is backed by our 1 Year Parts and Labor Warranty. Unlimited free technical support is available from the friendly experts in The Printer Works' technical support department. If you're not completely satisfied for any reason, you can return it for a full refund within 30 days. No hassle, no questions asked! Quantities are limited—order yours today!

ORDER TOLL FREE
1-800-225-6116

the PRINTER WORKS
3481 Arden Road, Hayward, CA 94545

30 DAY MONEY BACK GUARANTEE

DISCOVER · VISA · AMERICAN EXPRESS · MasterCard

Specialist): Novell (Morris); LANtastic (Morris)
Operating Systems Supported: MS-DOS, Windows, Windows NT, OS/2, Novell
Top-Selling Brands in 1993: Libre Systems, Conner, Cirrus Logic
Special Value-Added Services: Heavily service oriented plus we offer service contracts. Three-year warranty. First year parts and labor on-site, second and third year labor only carry in.

Micro Distribution Center

Store manager: Teresa Dai
48879 Kato Rd.
Fremont, CA 94539
(510) 657-8079 Fax: (510) 657-9511
Operating Systems Supported: MS-DOS, Windows

MicroTech International

Store manager: Affif Siddique
47000 Warm Springs Blvd. #8
Fremont, CA 94539
(510) 226-8650 Fax: (510) 226-8652
Areas of Specialty (and In-House Specialist): Macintosh networks (Affif Siddique); Novell network (Michael Kushner)
Operating Systems Supported: MS-DOS, Windows, Windows NT, Macintosh, OS/2
Top-Selling Brands in 1993: Hewlett-Packard, Macintosh, Toshiba
Special Value-Added Services: 100% financing available OAC. Complete Macintosh integration. Custom configuration on PC compatibles.

New Media Computer

Store manager: Mark Doberewz
5201 Mowry Ave.
Fremont, CA 94538
(510) 494-0188 Fax: (510) 494-1488
Areas of Specialty (and In-House Specialist): multimedia (staff); custom configuration (staff); storage devices (staff)
Operating Systems Supported: MS-DOS, Windows, Windows NT
Top-Selling Brands in 1993: Mitsumi, Conner, Western Digital
Special Value-Added Services: We specialize in multimedia—over 350 CD-ROM titles in stock. We are dedicated to total quality service and exceeding your expectations, call us today.

New River

Store manager: Danny Catbagan
43104 Christy St.
Fremont, CA 94538
(510) 623-9040 Fax: (510) 623-7592
Areas of Specialty (and In-House Specialist): dBase (Joey Catbagan); networks (Joey Catbagan)
Operating Systems Supported: MS-DOS, Windows, Windows NT, Novell
Top-Selling Brands in 1993: AMI, Micronics, USMach
Special Value-Added Services: Custom integration and networking. Government, corporate, and University POs welcome. One-year parts and labor warranty.

Snap Computers

Store manager: Ken Hai
35640 Fremont Blvd.
Fremont, CA 94536
(510) 796-1883
Areas of Specialty (and In-House Specialist): hardware configuration (staff); surplus (staff)
Operating Systems Supported: MS-DOS, Windows, Windows NT, UNIX
Special Value-Added Services: We carry a wide range of popular computer products at great prices.

Sol Micro

Store manager: Diego Costernas
48890 Milmont Dr.
Fremont, CA 94538
(510) 656-5440 Fax: (510) 438-0491
Areas of Specialty (and In-House Specialist): hardware configuration (staff); CADD systems (staff)
Operating Systems Supported: MS-DOS, Windows, Windows NT

Songtech International Inc.

Store manager: Song Chen
44061 South Grimmer Blvd.
Fremont, CA 94538
(510) 770-9051 Fax: (510) 770-9060
Areas of Specialty: portable computers; multimedia; Green PC
Operating Systems Supported: MS-DOS, Windows, Windows NT, Macintosh, OS/2

Strata Marketing Group

Store manager: Mike Mak
46560 Fremont Blvd., Ste. 302
Fremont, CA 94538
(510) 656-9848 Fax: (510) 656-9891
Areas of Specialty (and In-House Specialist): electronics asset recovery (Mike Mak); computer peripherals software and multimedia distribution (Mike Mak)
Operating Systems Supported: MS-DOS, Amiga, Windows, Windows NT, UNIX, Macintosh, OS/2
Top-Selling Brands in 1993: Quantum, Microsoft, Compton's NewMedia
Special Value-Added Services: We specialize in the asset recovery of OEM and dealer inventories. Please call or fax us your lists.

Sysper Technologies

Store manager: Abdul Jaka
4031 Clipper Ct.
Fremont, CA 94538
(510) 651-8002 Fax: (510) 651-9699
Areas of Specialty (and In-House Specialist): networks (Abdul Jaka); DOS and Windows (Mohammad Yako); imaging (Samir Ismail)
Operating Systems Supported: MS-DOS, Windows, Windows NT, OS/2
Top-Selling Brands in 1993: Genoa, AST, NEC
Special Value-Added Services: Classes are offered for popular softwares like Lotus and WordPerfect. On-site service on custom systems and thirty-day money-back apart from all standard warranties.

Tech Trend, Inc.

Store manager: Stephanie Chou
48501 Warm Springs Blvd., Ste. 106
Fremont, CA 94539
(510) 440-8324
Areas of Specialty (and In-House Specialist): customized configuration (staff); multimedia (staff); accounting information systems (staff)
Operating Systems Supported: MS-DOS, Windows, Windows NT, OS/2
Top-Selling Brands in 1993: Toshiba CD-ROM, Air motherboard, Diamond video boards
Special Value-Added Services: Lifetime labor warranty on all systems. Lifetime support. We use only name-brand motherboards and components. Our knowledgeable sales staff is here to help you.

U Miracle Microsystems Inc.

Store manager: Steve Pan
43038 Christy St.
Fremont, CA 94538
(510) 226-6746 Fax: (510) 226-6758
Areas of Specialty (and In-House Specialist): custom configuration (staff); high-end systems (staff)
Operating Systems Supported: MS-DOS,

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WAREHOUSE COMPUTER PRICING

Apple® Macintosh® LC III

Almost twice as fast as the Macintosh LC II, the Macintosh LC III delivers the outstanding performance and versatility you need — all in a slim-line, modular design and at an affordable price. • 25-MHz 68030 microprocessor • 4 MB of RAM, expandable to 36 MB • Supports up to 16-inch Apple display • 256 colors, expandable to 32,768 Monitor extra

Twice as fast as Apple® Macintosh® Performa® 405

4MB/80HD **799.**

Apple® Macintosh Quadra® 605

NEW

Like all Macintosh Quadra computers, it puts the highest levels of performance and flexibility at your fingertips. Yet the Macintosh Quadra 605 brings the cost of high performance down to almost any budget. Monitor & Keyboard extra

4 MB RAM/80 MB HD **899.**

Laser-quality printing at an affordable price.

Apple® StyleWriter® II Printer

Ideal for business or home use,the StyleWriter II fits comfortably in even the smallest work spaces and can be put to work immediately; installation takes only one click of your mouse. • 360 dots-per-inch resolution for laser-quality printing • Gray scale printing for sharp graphics• 39 scalable fonts for printing in any size and a wide range of styles • Multipurpose tray for effortless paper feeding• Fast, draft-mode printing • Plug-and-play simplicity with any Macintosh computer • Three different print modes for versatility and productivity

279.

Apple® Macintosh Quadra® 610

Based on the fast, 25-megabertz 68040 processor, the Apple™ Macintosh Quadra 610 computerprovides affordable high performance. It's ideal for business users who want high performance and flexibility. Monitor & Keyboard extra CD OPTIONAL

8 MB RAM/230 MB HD **1749.**

Apple® Macintosh Quadra® 650

One of Apple Computer's most powerful personal computers, the Macintosh Quadra 650 is a good choice if you want a computer that's built for speed, designed for flexibility, and capable of growing with your needs. •Monitor & Keyboard extra

8 MB RAM/230 MB HD/CD **2649.**

It pays now to buy Apple®

Apple® Macintosh® PowerBook® 145B

SAVE $150

The Apple™ PowerBook™ 145B computer is designed for those who want solid Macintosh performance and flexibility in a convenient, take-it-wherever-you-work notebook computer. *Price after MFG. rebate

4 MB RAM/80 MB HD **1329.***

Apple® Macintosh® PowerBook® 165c

SAVE $100

This portable delivers the processing speed, flexibility and convenience you need in a package that weighs just seven pounds and fits into a briefcase. *Price after MFG. rebate.

4MB/120HD **1969.***

The new standard for high performance and affordable notebook computing

Apple® Macintosh® PowerBook® 165

SAVE $100

The Apple™ Macintosh™ PowerBook™ 165 is ready to meet your computing needs no matter where you are. • 33-MHz 68030 microprocessor • 4MB RAM expandable to 14MB • Video out supports up to 16" display *Price after MFG. rebate.

4MB/160HD **2099.***

Apple® Macintosh® PowerBook® 180

The PowerBook® 180 is the top-of-the-line Macintosh PowerBook, delivering speed, flexibility, and convenience in a highly acclaimed, all-in-one design. • 33-MHz 68030 microprocessor • 33-MHz 68882 math coprocessor.

SAVE $200

4 MB RAM/80 MB HD **2199.***

The most affordable advanced laser printer.

Apple® LaserWriter Select™ 310

The Apple LaserWriter Select 310 is the most affordable advanced laser printer ever to come from Apple, and is designed for personal use by both Macintosh and Windows computer users. • AMD 29205 RISC processor • 300 dots-per-inch resolution • Prints five pages per minute •1.5 MB of memory, expandable to 5.5 MB • 13 scalable fonts for printing a wide range of styl and fonts • 250-sheet automatic tray and manual feed tray included• Compact design fits any desktop

799.

Apple® LaserWriter Select™ 360

NEW

The Apple LaserWriter Select 360 Apple Computer's 600dpi laser printer for Macintosh® and Windowsers.•600dpi/10ppm/7MB,expand able to 52MB

1499.

ERRORS SUBJECT TO CORRECTION. LIMITED TO STOCK ON HAND. AD EXPIRES ON DECEMBER 24, 1993

MULTIMEDIA

Apple® CD™ Multimedia Kit

Everything you need to upgrade your Apple® Macintosh® or PC to a state-of-the-art multimedia machine and join the CD-ROM new media revolution. Features Double-speed CD-ROM drive, 295 ms access, AppleDesign™ powered speakers, Apple Multimedia Starter CD, Compton's Multimedia Encyclopedia. PC version comes with Media Vision Pro AudioSpectrum 16 sound card

599. Apple Kit **649.** PC Kit

Apple® CD™ 300

The new high-performance Apple CD 300 drive is the perfect tool for accessing the world of CD-ROM and multimedia

- Operates at twice the speed of ordinary CD-ROM drives
- Double-speed (300KB/sec) data transfer rate
- 256 KB buffer for fasterdata transfer
- Plays standard audio CDs

Your Choice: **399.**

Apple® PowerCD™

Apple's first portable three-in-one CD player for CD-ROM, Photo CD™, and audio compact discs It's a small, portable unit that gives you the flexibility to access all these types of CD technology, whether you're at home, in the office, or on the go

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HEWLETT PACKARD

HP Deskwriter Printer

Don't settle for less than perfect, professional-looking documents. The Deskwriter prints at a smooth 300 dpi, it's affordable, and it's compatible with AppleTalk™ for use with your Apple® Macintosh® personal computer.

279.

HP DeskJet 500 Printer

Get laser-sharp printing from all your DOS and Windows applications at a dot-matrix price. This instant classic inkjet printer from HP works with TrueType™ or foht-scaling software to give you perfect type at any size • Laser-quality printing • 300 dpi resolution • Wide selection of fonts • Compatible with DOS and Windows

279.

HP DeskWriter 310 Printer

NEW

The light, compact printer for the Macintosh® PowerBook® that gives you great looking documents , in black or in color, where and when you want to work.• professional-quality 300-dpi printing in black • light and compact for printing on the go • includes lightweight multi-voltage power adapter. SHEETFEED EXTRA

HP Deskjet 310 Printer

The light, compact printer for notebook PC's that gives you high-quality documents, and optional color, where and when you want to work.• 300-dpi printing in black • Fast- up to 3-ppm print speed • Affordable price. SHEETFEED EXTRA

Your Choice: **299.**

HP DeskWriter C Printer

The HP DeskWriter C adds color capacity to an already famous laser quality black output. It's compatible with Apple® Macintosh® personal computers—and your budget.

389.

HP DeskWriter 500C Printer

Print in beautiful, laser-sharp 300 dpi color on plain paper and transparencies— for less than the cost of a b&w laser printer. Windows-compatible for use with TrueType™ fonts and ATM; 3-year limited warranty. LIMITED SUPPLY

389.

HP DeskWriter 550C Printer

Perfect for home and small business use where color is important, this reliable printer for use with your Apple® Macintosh® personal computer delivers laser-quality output in both color and true black thanks to its dual ink cartridge system.

589.

HP DeskJet 550C Printer

Perfect for home and small business use where color is important, this reliable printer for use with your Apple® Macintosh® personal computer delivers laser-quality output in both color and true black thanks to its dual ink cartridge system.

589.

$100 REBATE

HP LaserJet 4ML Printer

• It fits budgets as well as it fits desktops • Lightning fast Intel 80960 18.5 MHz RISC processor • 4 Mb standard memory • EconoMode cuts your toner costs up to 50%

After mgr. rebate** **899.

The 600-dpi standard for affordable laser printing on the PC.

HP LaserJet 4P Printer

NEW

With the superb print quality of true 600 x 600-dpi printing on the new HP Laserjet 4P printer your documents will get the notice they deserve. • Two MB standard memory, expandable to 26 MB • 45 built-in scalable fonts • Uses 50-70 percent less energy in Powersave mode

999.

HP LaserJet 4MP Printer

NEW

$100 REBATE

Perfect compatibility with Macintosh at a prices that's perfectly compatible with your budget. • RISC processor with cache for powerful 4-ppm printing • Six MB standard memory, expandable to 22 MB • Auto-switching between Adobe® PostScript®-Level 2 and enhanced

***After mgr. rebate**
Rebate ends 12/31/93** **1349.

HP LaserJet 4 Printer

HP takes laser printing to the fourth dimension with this surprisingly affordable 600 dots-per-inch printer. (That's twice the resolution of the LaserJet III.) With 45 fonts, 8 page-per-minute speed, fast output from Windows, and, of course, the great network performance you'd expect from HP

1399.

HP LaserJet 4M Printer

$100 REBATE

Offices with both Macintosh® and PC systems can now enjoy 600 dpi output for beautiful images and sharp, clear text. Features PostScript™ Level 2, six MB of memory, and eight page-per-minute performance. *After mgr. rebate

1795.*

NEW

HP Omnibook 425 Superportable PC 40MB version

• It's a 486SLC/e, 25MHz weighing less than 3 lbs. • 2MB expandable with optional RAM expansion card • Microsoft® Windows™, Microsoft Word, and Microsoft Excel bvuilt into ROM, along with organization tools and file transfer

1049.

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T1900 Satellite™ Notebook

• Fast i486SXA/20MHZ Performance 8 4MB RAM Expandable to 20 MB •120MB hard drive 17 millisecond access time • High contrast 9.5" mono VGA display

4 MB RAM 120 MB hard drive **1549**

4 MB RAM 200 MB hard drive **1749**

Satellite™ T1950 Notebook

The best combination of 486DX2 performance and value in a Toshiba notebook PC! • Fast i486DX2 at 40MHz • 4MB RAM, expandable to 20 MB • 120 MB Hard Drive • 9.5" Mono LCD with VGA resolution

4 MB RAM 120 MB hard drive **1949**

4 MB RAM 200 MB hard drive **2149**

TOSHIBA

$30 Rebate — Canon Bubble Jet 200 Printer

Canon's Bubble Jet printer incorporates new print technology that produces laser-quality printing at a truly affordable price.

*Price after mfg rebate

269* BJ 230 **469*** Rebate ends 12/31/93

Canon — COLOR! — BJC-600 Personal Color Printer

Prints 360-dpi on plain paper for brilliant color quality. It comes with a 2-year limited warranty

599

Low Price on this Capable Notebook

TravelMate™ 4000EWinSX™25

486DX2 25MHz notebook with just enough power to take everything you need along. Windows 3.1 and MS-DOS 5.0 are already installed on this convenient system that delivers four MB RAM, expandable to 20 MB, and a 120 or 200 MB hard disk drive. Includes easy-to-see, enhanced mono display with 64 gray scales and a TravelPoint™ pointing device perfect for your presentations. Long battery life.

TEXACA0023

Texas Instruments **1999**

Breakthrough Color Notebook — Affordable Price

TravelMate™ 4000EWinSX™25 Enhanced Passive Color Notebook

Unsurpassed value in a powerful color notebook computer. Its easy-to-see brillant color display is matched by a great performing 25MHz 286SX processor. Includes 512KB of video memory and fast bus technology that lets you race through Windows applications. Four MB RAM, expandable to 20, 120 MB hard drive. Microsoft BallPoint™ with QuickPort™ included.

TEXACA0022

Texas Instruments **2299**

Introducing the ExecJet® II from IBM®

Features include: scalable fonts, 600x300 dpi resolution with print enhancement technology for both text and graphics. Designed to be easy to use, this printer can be set up in minutes and have you producing outstanding looking documents in no time flat.

299

Introducing the IBM® 4037 5E Laser Printer

This printer continues the tradition of rugged reliability for which IBM has become known and respected. AT 1500 by 300 dpi using Lexmark's Print Quality Enhancement, customers can select from a variety of resident scalable Type 1 or bit-mapped fonts.

699

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Affordable Portable Power

TravelMate™ 4000EWinDX2/50

Run even your most demanding applications on the road. This 486DX2 50MHz notebook comes with Windows 3.1 and MS-DOS 5.0 already installed —lets you get started right away with no hassle. Four MB RAM, expandable to 20MB, and a 200 MB hard disk drive give you plenty of space with room to grow. Includes easy-to-see enhanced mono display and a Microsoft BallPoint® with QuickPort™ connection

TEXACA0024

Texas Instruments **2899**

Presentation-Perfect Notebook

TravelMate™ 4000EWinDX2/50 Active Matrix Color Notebook

Wow them with brillant color and lightning-fast graphics. This powerhouse gives you fast Windows performance with its 50MHz 486DX2 processor and one MB video memory. Designed with convenience in mind, it has an advanced power system for longer battery life and comes with Windows 3.1 and MS-DOS 5.0 already installed. Four MB memory expandable to 20 and a 200 MB hard drive. Includes Microsoft BallPoint™ with QuickPort™ connection.

Taking orders

TEXACA4000

Texas Instruments **3999**

EPSON — Epson LX-810

9 Pin • SmartPark™ paper handling • 200 CPS Super draft • 30 CPS NLQ • High resolution graphics

159

Errors subject to correction. Limited to stock on hand. Taking orders on some items

EPSON — Epson LQ-570+

This 24 pin printer utilizes scalable fonts, enhanced graphics, and advanced paper handling to offer better performance than any other printer in its class at an affordable price

259

Number Munchers

Fun-loving Number Munchers are on a mission! The only thing in their way is the Troggle mastermind, Dr. Frankentroggle. His devious troggles love to eat munchers. MAC or DOS

MECC **16.99**

Tristan

Tristan will amaze you as the ball rockets across a play field crammed with colorful graphics, outrageous sound effects and authentic pinball action. For Macintosh or DOS.

Broderbund **17.99**

Bailey's Book House

This program for Macintosh or DOS offers an enchanting environment that encourages young children to develop early reading skills.

EDMARK **29.99**

Reader Rabbit 3

The new Reader Rabbit 3 for DOS uses 200 fun-filled stories to build second and third-grade reading skills and improve writing, vocabulary and critical thinking abilities.

The Learning Company **34.99**

KidPix

The world's wackiest painting program. Lets kids get creative with unique brushes, sounds and rubber stamps (Note to parents: Please try to pry yourself away and give the kids a chance!) For Macintosh, DOS and Windows.

Broderbund **34.99**

Just Grandma and Me

In this endearing story by Mercer Mayer, Little Critter and his Grandma go to the beach where they have a series of exciting adventures

Broderbund **34.99**

SIM Farm

Sim City's Country Co... Experience all the joys, trials and tribulations of starting and running a farm — without waking up at five in the morning or stepping in anything unpleasant.

MAXIS **34.99**

Arthur's Teacher Trouble

Based on Marc Brown's popular children's story, this CD-ROM living book features Arthur the aardvark, scores of animations, sound effects, dialogue and music to enrich the story. For Macintosh and DOS.

Broderbund **39.99**

SIM CITY 2000

The Ultimate City Simulator for the MAC. The latest in the Sim City series. You make the planning decisions and reap the rewards, or suffer the consequences. Easy to control, but with added depth and new challenges just below the surface. For the Mac.

MAXIS **37.99**

Print Shop Deluxe

Lets kids make great-looking posters and banners. Also great for clubs, small businesses, and organizations. For Macintosh, DOS or Windows.

Broderbund **47.99**

Dinosaurs

Dinosaurs come to life with this interactive CD-ROM. Learn pronunciations, see dinosaurs up-close in full-color illustrations and photographs, hear ambient sounds and growls and research any fact in 200 articles

Microsoft **52.99**

Cinemania

Browse through thousands of entries from The Motion Picture Guide and The Encyclopedia of Film. Explore and research filmmaking, film history, film criticism and the lives of movie personalities.

Microsoft **52.99**

SAM Anti-virus

Protect your computer from unwanted guests. This software for the Macintosh is from Symantec, the leader in virus insurance.

SYMANTEC. **67.99**

Digital Sound Pro 16

It's easy to add professional quality 16-bit audio to your PC. Delivers full-featured, 48 Khz, DAT-quality digital audio. The on-board digital signal processor allows for easy and inexpensive software upgrades to add-on new audio features.

Cardinal **129.99**

Pro Audio Spectrum 16

This sound card delivers the clearest, most high fidelity sound you've heard from your PC. With great features including a 16-bit steeo sound, a fast SCSI Interface, advanced synthesizer and fully MPC compatible mixer

149.99

Omni CD Upgrade Kit

Double-speed CD-ROM drive that is Kodak multi-session photo CD compatible Completely MPC level-two compliant, works with all PCs and audio cards. Includes interface card, Aldus® Photostyler™ SE, photo CD access and editing software

CREATIVE **298.99**

REVEAL Multimedia Upgrade Kit

Double-speed CD-ROM drive, 16-bit stereo sound card, speakers, headphones with built-in microphone and installation video. Multimedia Encyclopedia, Mavis Beacon Teaches Typing, Chessmaster 3000 and more. #MFX02

359.99

Sensory System 1

Delivers full MPC-2 compliance at a spectacularly low price. Includes Digital Sound Pro™ 16 sound board, double-speed, internal Sony® CDD-ROM drive, speakers, Voyetr sound software and five other super-hot CD-ROM titles

Cardinal **439.99**

Fusion DoubleCD 16

Features award-winning 16-bit stereo sound, 100 percent Sound Blaster compatible, double-speed NEC CD-ROM drive with SCSI interface, Kodak Photo CD multi-session ready, stereo speakers and popular CD-ROM software.

519.99

Arcade

Classic Arcade Action Blasts into Windows. Five classic arcade games in one package — Asteroid™, Battlezone™, Centipede™, Missile Command™ and Tempest™. Completely adjustable rate of invasion and firing.

Microsoft **27.99**

SIM City Classic

Design and build the city of your dreams — you play mayor and city planner. Detailed animation and sound effects make your cities come to life. Fight disasters and watch as the decision you make alter the course of history. For Macintosh and PC

MAXIS **24.99**

SAN JOSE: 3530 Stevens Creek Blvd. (between Winchester & San Tomas) (408) 554-8300 M-F 10am—9pm /Sat-Sun 10am—6pm

Windows, Windows NT, Novell/LANtastic
Top-Selling Brands in 1993: VLB, Western Digital HD, Diamond computer products
Special Value-Added Services: Lifetime labor warranty, one-year parts warranty. Lifetime technical support, thirty-day money-back compatibility guarantee. International orders welcome.

USM Distributors/US Mach Systems

Store manager: Danny Catbagan
43104 Christy St.
Fremont, CA 94538
(510) 623-9040 Fax: (510) 623-7592
Areas of Specialty (and In-House Specialist): dBase (Joey Catbagan); networks (Joey Catbagan)
Operating Systems Supported: MS-DOS, Windows, Windows NT, Novell
Top-Selling Brands in 1993: AMI, Micronics, USMach
Special Value-Added Services: Custom integration and networking. Government, corporate, and University POs welcome. One-year parts and labor warranty.

Wonder Systems, Inc.

Store manager: Tom Chung
3270 Seldon Ct., Bldg. 1
Fremont, CA 94539
(510) 490-6290 Fax: (510) 490-1535
Areas of Specialty (and In-House Specialist): Windows NT (Jimmy Hui); MS-DOS/Windows (Gary Chan); OS/2 (Joe Lz)
Operating Systems Supported: MS-DOS, Windows, Windows NT, OS/2
Top-Selling Brands in 1993: Wonder systems
Special Value-Added Services: We manufacture specialty IDE and SCSI disk controllers for ISA, local bus and PCI (disk controller supports 4 floppy, 2.88 floppy/tape, co-exist function, or high-speed serial).

World-Net MicroSystems

Store manager: Charles Jang
43172 Christy St.
Fremont, CA 94538
(510) 770-1158 Fax: (510) 770-1159
Areas of Specialty (and In-House Specialist): hardware configuration (Charles Jang); networks (Charles Jang); multimedia (Larry Chen)
Operating Systems Supported: MS-DOS, Windows, Windows NT, SCO, Macintosh, OS/2, Novell/ LANtastic
Top-Selling Brands in 1993: NEC, E-Tech, Toshiba
Special Value-Added Services: On-site network installation. Free consultation, complete turnkey solution. Multimedia specialist.

ZMPoc International Corp.

Store manager: Harry Lan
47560 Seabridge Dr.
Fremont, CA 94538
(510) 683-8800 Fax: (510) 683-8662
Areas of Specialty: 386/486 based systems; custom configuration
Operating Systems Supported: MS-DOS, Windows
Top-Selling Brands in 1993: Saber 486/iSX, Saber 486/iDX, Saber 486/eVL
Special Value-Added Services: Product training, on-site service, extended two–five year warranties.

HAYWARD

California Computer Co.

Store manager: Mush Ahmad
3401 Investment Blvd. #3
Hayward, CA 94545
(510) 785-3850 Fax: (510) 783-5128
Areas of Specialty (and In-House Specialist): high-end systems (staff); Windows applications (staff); portable solutions (staff)
Operating Systems Supported: MS-DOS, Windows, Windows NT, Macintosh
Top-Selling Brands in 1993: Compaq, Hewlett-Packard, Toshiba
Special Value-Added Services: Free delivery and installation on systems. On-site service available. Special government and corporate programs.

CBE Systems

Store manager:
3514 Arden Rd.
Hayward, CA 94545
(510) 887-8686 Fax: (510) 887-8168
Areas of Specialty (and In-House Specialist): computer systems (Andrew Yen); networking (David Lan)
Operating Systems Supported: MS-DOS, Windows
Top-Selling Brands in 1993: 386-40, 486-33
Special Value-Added Services: We offer one-year parts and five-years labor warranties on all components without manufacturers' warranties.

Computer Source of Hayward

Store manager: Simon Lam
1216 W. Winton Ave.
Hayward, CA 94545
(510) 784-1136
Areas of Specialty (and In-House Specialist): CAD/CAM accounting; machine shop application
Operating Systems Supported: MS-DOS, Windows NT, SCO, OS/2, Novell/LANtastic
Top-Selling Brands in 1993: Intel, Conner, Panasonic
Special Value-Added Services: Five-years labor, money-back, free delivery in Bay Area. Lifetime technical support, money-back guarantee.

Computerland of Hayward

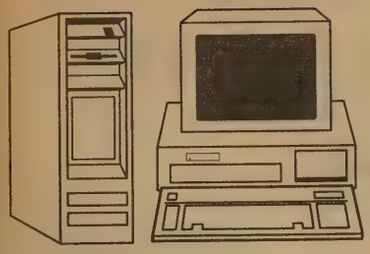
Store manager: Bruce Mitchell
22540 Foothill Blvd.
Hayward, CA 94541
(510) 538-8080 Fax: (510) 538-8082
Areas of Specialty (and In-House Specialist): multimedia (staff); desktop publishing (staff); networking (staff)
Operating Systems Supported: MS-DOS, Windows, Windows NT, Macintosh
Top-Selling Brands in 1993: Hewlett-Packard, Apple, Compaq
Special Value-Added Services: Excellent pre- and post-sales support. Factory-authorized repair service center. Call us for all your computer needs.

Cypress Computer Inc.

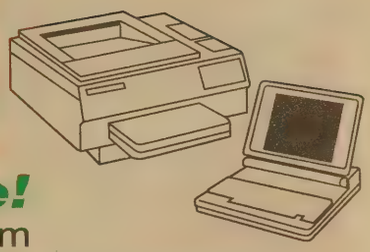
Store manager: Sammy Sze
26120 Eden Landing Rd., Ste. 6
Hayward, CA 94545
(510) 786-9106 Fax: (510) 786-9553
Areas of Specialty (and In-House Specialist): notebooks and accessories (Richard Wang)
Operating Systems Supported: MS-DOS, Windows, Windows NT, SCO, OS/2
Top-Selling Brands in 1993: Cypress, Megahertz, Dlink
Special Value-Added Services: Notebook repair for any brand, any speed, and any problem.

Discount Computer Products

Store manager: Reny Morris
1520 W. Winton Ave.
Hayward, CA 94545-1311
(510) 783-7788 Fax: (510) 783-9611
Areas of Specialty (and In-House Specialist): point of sale software and systems (Reny Morris); CD-ROM multimedia (Reny Morris); networks, network software (Reny Morris)



CompuMart



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486DX-50/4M/120MB HD	$1,265
486DX2-66/4M/120MB HD	$1,335
386SX-33/2M/40MB HD	$ 680
386DX-40/4M/120MB HD	$ 865

VLB or EISA motherboards are available by AMI, Micronics, NICE, AIR, Orchid

NOTEBOOK PC

CHAPLET	386SX-25/2MB/60MB HD	$ 975
AVANTI	486SL-25/4MB/120MB HD W/ Fax Modem	$1,650
PETRA	486DX-33/4MB/200MB	$1,890
TOSHIBA	486SX 1900C/4MB/200MB HD Color	$2,350
	486SX 1900/4MB/200MB HD	$1,850

DRIVES

Conner	170MB IDE/ 200MB IDE	$195/$219
	250MB IDE/ 340MB IDE	$235/$299
	540MB IDE	$549
Fujitsu	520MB IDE/ SCSI	$565
	1GB SCSI	$895
Maxtor	130MB IDE	$185
	245MB IDE	$239
	345MB IDE/SCSI	$299/$349
	540MB IDE/SCSI	$689
Quantum	85MB IDE/127MB IDE	$159/$179
	170MB IDE/240MB IDE	$205/$239
	1GB SCSI	$869
Seagate	130MB IDE/ 260MB IDE	$195/$259
	340MB IDE/ 452MB IDE	$349/$449
WD	250 MB IDE	$219
	340MB IDE/420MB IDE	$295/$399

MONITORS

ADI		14" Microscan 3E NI	$ 280
		15" Microscan 4G NI	$ 445
KFC		15" .28 1024x768 NI Flat Digital	$ 435
		17" .26 1280X1024 NI Flat Digital	$ 755
MGC		15" .28 1280x1024 NI Flat Digital	$ 379
MAG	MX15F	15" .28 NI Flat MPR II	$ 499
	MX17F	17" .28 NI Flat	$ 899
NANAO	F5501	17" .28 1280X1024	$ 959
	F5501W	17" .28 1280x1024	$1145
NEC	3FGe	15" .28 NI Flat	$ 589
	4FGe	15" .28 NI Flat	$ 689
	5FG	17" .28 NI Flat	$1325
	5FGe	17" .28 NI Flat	$1079
	6FG	20" .28 NI Flat	$2335
Viewsonic	VSC6E	14" .28 NI	$ 295
	VSC15	15" .28 NI	$ 459
	VSC17	17" .28 NI	$ 989
	VSC20	20" .31 NI	$1639

NETWORK

3COM	509 Etherlink III TP/ Coax	$119
Artisoft	Lantastic V5.0 AE-2 Startkit	$515
	Lantastic AI SW for DOS & Windows	$ 84
	Lantastic Noderunner 2000/C,T	$169
Intel	Etherexpress 16 TP/ Coax	$105
Novell	Netware Lite w/ NE2100 Adapter	$129
	Netware 3.12 5 Users/10 Users	$ 590/$1275
	Netware 3.12 25 Users/50 Users	$1775/$2495
SMC	Elite Plus 16TP/ Coax	$ 125
	Elite Ultra 16TP/Coax	$ 97

MODEMS

Hayes	Acura 14.4 Fax Modem Int/Ext	$215/ $235
Intel	14.4 Fax Modem Int /Ext	$159/ $189
	Satisfaxton 400/400E	$285/ $315
Practical P	PM14.4Fax Modem Int/Ext	$199/ $219
	PM14.4 Pocket Fax Modem	$354
Supera	14.4 Int Fax Modem	$149
US Robotics	Sporter 14.4 Fax Modem Int/Ext	$159/ $179
Zoom	14.4 Modem Int/Mdoem Fax Int	$199/ $219

MULTIMEDIA

Creative Lab	Sound Blaster Pro Deluxe	$109
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	Pro Movie Spectrum	$285
	Pro Movie Studio	$315
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Sony	CDU31A CD-ROM Int/Ext	$175/$239
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CONTROLLERS

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	1542C/1542CK	SCSI	$205/$245
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Promise	DC200	IDE CACHE	$105
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	DC-4030VL	VLB/IDE CACHE	$139
Trantor	T130	SCSI	$ 75
	T338/T348	Parallel/SCSI	$109/$149
Ultrastor	24F	EISA/ FAST SCSI	$355
	34F	VESA/ SCSI	$245

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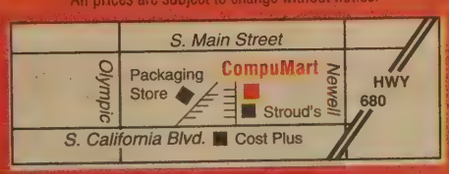
Colorado	DJ-10	120MB Int	$ 98
	DJ-20	250MB Int	$159
	Trakker	120MB/250MB Printer port	$289/359
	Powertape	2GB SCSI Internal/External	$959/1155

All prices are subject to change without notice.



VIDEO BOARDS

ATI	Graphic Ultra + 1MB/ 2MB	$225/$275
	Graphic Ultra + VLB 1MB/Pro 2MB	$225/$315
	Graphic Ultra Pro VLB 2MB	$379
Diamond	SpeedStar Pro VLB/ISA 1MB	$115
	Stealth 24 ISA/VLB 1MB	$159
	Stealth Pro VLB 1MB/ 2MB	$265/$339
	Viper 2MB VLB	$379
Orchid	Fahrenheit 1280+ 1MB	$159
	Fahrenheit VA 1MB	$169
	Fahrenheit VLB 1MB/ 2MB	$149/$205
	Fahrenheit VA/VLB 1MB	$219
Paradise	Windows Accel 1MB	$135

PRINTERS

Citizen	GSX-240	$ 255*
	PN-48/ Notebook Printer II Color	$245/ $ 315
Cannon	BJ-10EX/ BJ-20	$219/ $ 309
	BJ-200/ BJ-600C Color	$269*/$ 615
Panasonic	KX-P2123/ KX-P2124	$239/ $ 329
HP	Deskjet 500/ 500C	$299/ $ 405
	Deskjet 550C/ 1200C	$605/ $1399

LASER PRINTER

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	Laserjet 4/4M 8PPM, 600DPI	$1399/$1885
Okidata	OL400E 4PPM, 300DPI	$ 529
Epson	ActionLaser 1000/1500 6PPM	$639/ $ 699
	EPL-8000 8PPM	$ 899
Sharp	KJX6000 8PPM	$ 699
Panasonic	KX-P4410/ KX-P4430 4PPM	$569/ $ 669

SOFTWARE

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Micrografx	Picture Publisher	$199
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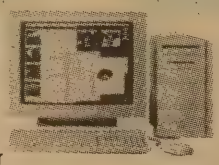

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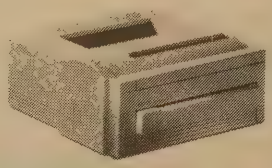

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The HP LaserJet 4ML printer has 4MB RAM, PostScript language and enhanced HP PCL5 with automatic language switching, microfine toner cartridge, 100-sheet multi-purpose tray, power cord and printer drivers

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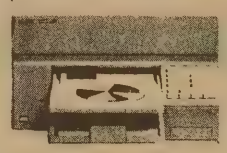

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HP DeskJet 1200C, 600x300dpi, Black, HP PCL 5, 2MB RAM.....CALL
HP DeskWriter, 300dpi, System 6.05 Compatible, 3 yr warranty.....279
HP DeskWriter C, 300dpi, 35 Scalable Typefaces, Built-in Spooler.....380
HP DeskWriter 550C, 300dpi, 3ppm Black, Plain paper.....564
HP LaserJet 4, 600dpi, 45 Scalable Typefaces, 8ppm.....1425
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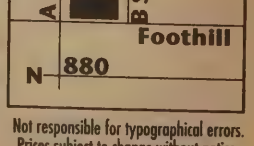

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Reseller 1994 Guide

MICROTIMES 1994 DIRECTORY

Operating Systems Supported: MS-DOS, Windows
Top-Selling Brands in 1993: Maxtor, Conner, Samsung
Special Value-Added Services: We offer sales-service-upgrades for all IBM-compatible/IBM computer systems—as well as free repair estimates on monitors and printers.

Domino Computer - Hayward

Store manager: Francis Nguyen
26222 Industrial Blvd.
Hayward, CA 94545
(510) 732-0377 Fax: (510) 732-0388
Operating Systems Supported: MS-DOS
Top-Selling Brands in 1993: MS-DOS, Windows, OS/2
Special Value-Added Services: Training, support, services, lifetime warranties in labor.

Genesis Technology

Store manager: Neal Greenberg
3860 Bay Center Pl.
Hayward, CA 94545
(510) 782-4800 Fax: (510) 782-4842
Areas of Specialty (and In-House Specialist): high-capacity laser printer input (Neal Greenberg); Hewlett-Packard4 and 4M output (Neal Greenberg)
Top-Selling Brands in 1993: Genesis Technology
Special Value-Added Services: We can offer product evaluations, dealer support and training. All high-quality Genesis products have a one-year warranty.

Multi-Connection Technology Corp. (MCT)

Store manager: Ginna Chen
3518 Arden Rd.
Hayward, CA 94545
(510) 670-0636 Fax: (510) 670-0790
Areas of Specialty (and In-House Specialist): hardware configuration (staff); multimedia (staff); workstations (staff)
Operating Systems Supported: MS-DOS, Windows
Top-Selling Brands in 1993: Diamond, Orchid, Creative Labs
Special Value-Added Services: Five-years labor, one-year parts warranty. Unlimited technical support. Government, corporate, and University POs welcome. Multimedia experts. Custom configuration available.

PARS International Computer

Store manager: Mohammad Tahmasebi
22441 Foothill Blvd.
Hayward, CA 94541
(510) 733-0103 Fax: (510) 733-0206
Areas of Specialty: networks—Novell, LANtastic; imaging; multimedia
Operating Systems Supported: MS-DOS, Windows, Windows NT, UNIX, OS/2, NextStep
Top-Selling Brands in 1993: Sony, SUN, Hewlett-Packard
Special Value-Added Services: PARS International Computer is a recognized leader in Fax-on-Demand, Fax Broadcasting, Fax Server, Image Storage and Retrieval System as well as high-quality, Fault Tolerant, Raid Technology with Redundant Power Supplies.

The Printer Works

Store manager: Stephen Roberts
3481 Arden Rd.
Hayward, CA 94545
(800) 225-6116 Fax: (510) 786-0589
Areas of Specialty: laser printers; laser printer parts; laser printer supplies
Operating Systems Supported: MS-DOS, Windows, Windows NT, UNIX, Macintosh, OS/2, NEXTstep
Top-Selling Brands in 1993: Printer Works, QMS, Canon
Special Value-Added Services: Thirty-day money-back guarantee, complete service on the following printers: Canon, Hewlett-Packard, QMS, Brother, Printer works, Apple. We also service all printers with Canon engines. We are a complete parts and supplies house.

LAFAYETTE

EFI's Discount Computer

Store manager: Efi Lubliner
3441 Golden Gate Way
Lafayette CA 94549
(510) 283-1700
Areas of Specialty (and In-House Specialist): hardware (staff); networking (staff); accounting packages (staff)
Operating Systems Supported: MS-DOS, Windows, Windows NT, SCO, Macintosh, OS/2, Novell
Top-Selling Brands in 1993: AST, Toshiba, Samsung
Special Value-Added Services: One-year parts and labor warranty, technical support. Free delivery

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4M X 9-60	147
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1M X 9-80	42
1M X 9-70	47
1M X 9-60	51
1M X 3-80	36
1M X 3-70	38
1M X 3-60	41
256 X 9-10	7
256 X 9-80	10
256 X 9-70	12
256 X 9-60	13

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CPU'S

486DXII-66 INTEL	$459
486DXII-50 INTEL	329
486DX-50 INTEL	409
486DX-33 INTEL	269
486DX-25 INTEL	219
486SX-25 INTEL	89
486SX-33 INTEL	139
386DX-33 INTEL	49
386DX-40 AMD	49
386DX-25 INTEL	30
386DX-25 AMD	32
386SX-25 INTEL/AMD	30
386SX-20 INTEL	27
386SX-16 INTEL	18
386DX-20 INTEL	22

EPROMS

27C20-15NS	$7.50
27C10-15NS	5.50
27C040-15NS	12.50
5104402-80 (1X4) SST,ZIPP	21
5104400-80 (1X4) ZIPP	19
5104400-80 (1X4) DIPP	21
5104400-80 (1X4) SOJ	16
5104400-80 (4X1) SOJ	15

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486DX-50 W/256K CACHE	$578
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386DX-40 W/64K CACHE	119
386DX-33 W/64K CACHE	129
386SX-16 W/CPU	79
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Top-Selling Brands in 1993: IBM compatibles

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Domino Computer of Los Altos

Store manager: Yukio Manabe
111 Plaza North
Los Altos, CA 94022
(408) 941-7778 Fax: (408) 941-7775

Areas of Specialty: MS-DOS, Windows/Excel/Word

Operating Systems Supported: MS-DOS, Windows

Top-Selling Brands in 1993: A.I.R., TEAC, Conner

Special Value-Added Services: Service, training, installation support, repair, troubleshooting.

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Alpha CD Imaging

Store manager: Al Gaynor
640 Menlo Ave. #4
Menlo Park, CA 94025
(415) 325-4877 Fax: (415) 325-4911

Areas of Specialty (and In-House Specialist): Kodak Photo CD (Al/Bob Gaynor); scanning; multimedia

Operating Systems Supported: MS-DOS, Windows, OPEN Windows 3.0, Macintosh, OS/2

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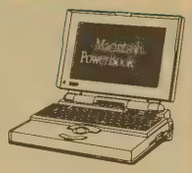

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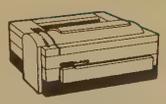

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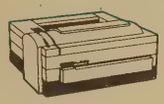

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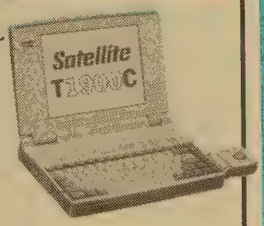

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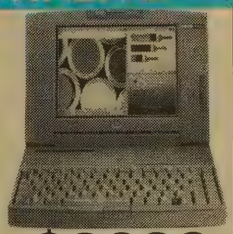

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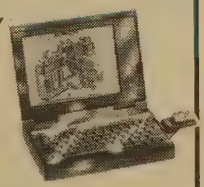

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Special Value-Added Services: We can convert the format of your data from the original program format to a new (or custom) program format in addition to changing the media format.

MILPITAS

Accord Systems, Inc.

Store manager: Clifford Ton
548 Valley Way
Milpitas, CA 95035
(408) 945-9787 Fax: (408) 945-9849

Areas of Specialty (and In-House Specialist): Netware (Thomas Wu, Raymond Wang); Unix, SPARC (Ray Huang, Clifford Ton); Twinhead NBK (Sharon Yeh, Alyn Strom)

Operating Systems Supported: MS-DOS, Windows, Windows NT, SCO, Sun, A++, Macintosh, Novell

Top-Selling Brands in 1993: Accord, Twinhead, DTK

Special Value-Added Services: Service (48-hr. turnaround time guarantee) and support (free lifetime technical support).

Art Computer Tech, Inc.

Store manager: Jackie Tran
424 S. Main St.
Milpitas, CA 95035
(408) 946-7852 Fax: (408) 946-7892

Areas of Specialty (and In-House Specialist): Novell and Unix (Tim Tran); DOS and Windows (Thai Tran); CAD (Tim Tran)

Operating Systems Supported: MS-DOS, Windows, Windows NT, UNIX, OS/2

Top-Selling Brands in 1993: Intel, Conner, Maxtor

Special Value-Added Services: Our goal is to maximize customers' satisfaction by giving them the lowest price, the best source and support.

Bay Computer System, Inc.

Store manager: Luke Le
1252 South Abel St.
Milpitas, CA 95035
(408) 956-8014 Fax: (408) 956-8013

Areas of Specialty (and In-House Specialist): Unix, Xenix, Novell, CD Unix (Luke Le); MAC, OS, Windows assembly (Vince Luong); DOC, OS/2, C++ (Phil Lam)

Operating Systems Supported: MS-DOS, Windows, Macintosh, OS/2

Top-Selling Brands in 1993: Dash, Orchid, NEC

Special Value-Added Services: Our business provides first-rate customer service/support. Our prices are competitive. Our staff is dedicated and committed to satisfy our customers.

Bozeman Marketing Group Inc.

Store manager: Jeff Wu
16 Corning Ave., Ste. 120
Milpitas, CA 95035
(408) 263-3158 Fax: (408) 263-6763

Areas of Specialty: computer upgrade; multimedia upgrade; low-price computer components

Operating Systems Supported: MS-DOS, Windows, Windows NT

Top-Selling Brands in 1993: Microsoft, Creative Lab, Maxtor

Special Value-Added Services: Fast service, we repair or upgrade your computer within 24 hours.

California Memory & Components

Store manager: Jim Singh
356 S. Abbott Ave.
Milpitas, CA 95035
(408) 956-8291 Fax: (408) 956-8584

Areas of Specialty (and In-House Specialist): computers and laser printers; memory upgrades

Operating Systems Supported: MS-DOS

Special Value-Added Services: Three-year warranty on memory upgrades.

CB Computer & Memory

Store manager: Ayshad "AJ" Jahanghisi
1319 Jacklin Rd.
Milpitas, CA 95035
(408) 946-5174 Fax: (408) 946-5376

Areas of Specialty: computer parts and components; CPUs; SIMM/SIPP modules

Top-Selling Brands in 1993: Toshiba, Samsung, TI

Special Value-Added Services: One-year warranty. We replace parts.

Domino Computer Service Center

Store manager: Raymond Li
976 Hanson Ct.
Milpitas, CA 95035
(408) 946-6991 Fax: (408) 946-0312

Operating Systems Supported: MS-DOS, Windows

Top-Selling Brands in 1993: 486/33 Computer system, 386/40 MHz, 486DX2/66MHz Computer

Special Value-Added Services: We offer lifetime labor warranty and hands-on training to build computers.

GST Technologies

Store manager: Prashant Shah
1522 Centre Pointe Dr.
Milpitas, CA 95035
(408) 262-8595 Fax: (408) 262-5372

Areas of Specialty: DOS, OS/2

Operating Systems Supported: MS-DOS, Windows, OS/2

Special Value-Added Services: GST provides technical support, one-year warranty on parts and labor.

Hi Tech USA Corp.

Store manager: Jack Lu/Ivan Poon
1562 Centre Pointe Dr.
Milpitas, CA 95035
(408) 262-8688 Fax: (408) 262-8772

Operating Systems Supported: MS-DOS, Windows, OS/2

Top-Selling Brands in 1993: Hi-Tech computers, Western Digital, CTX

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Store manager: Angie Wong
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Milpitas, CA 95035
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Areas of Specialty (and In-House Specialist): Novell network LAN (Rich Tisor); SCO, UNIX (Rich Tisor); document imaging (Garth Gilmour)

Operating Systems Supported: MS-DOS,

continued on page 44

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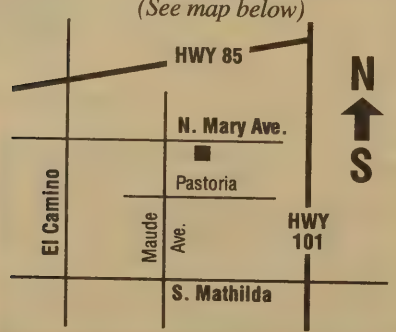

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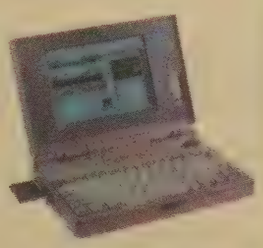

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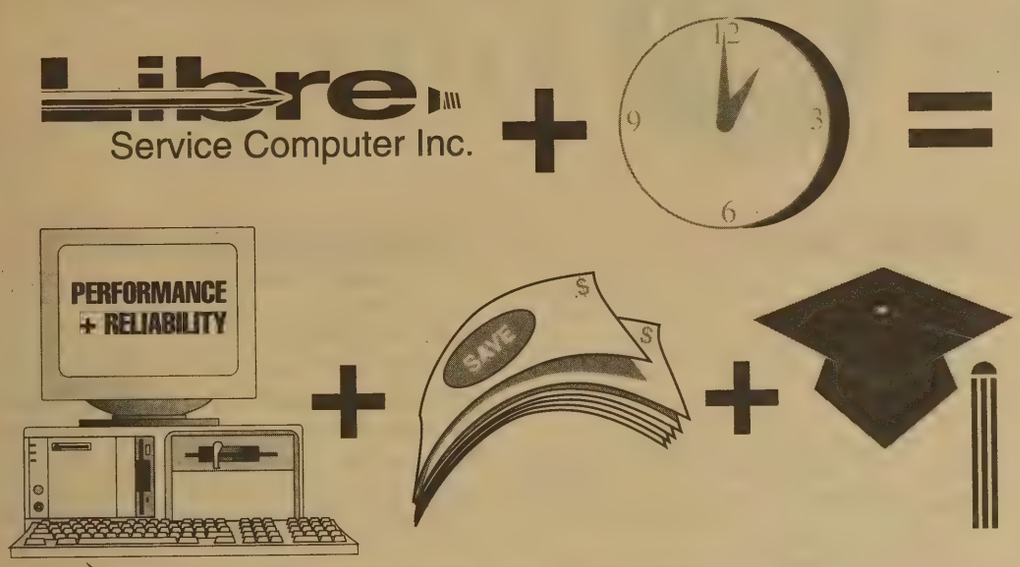

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Areas of Specialty (and In-House Specialist): Windows (David Zhao); accounting programs (David Zhao)

Operating Systems Supported: MS-DOS, Windows, Windows NT, SCO, OS/2, LANtastic, Invisible

Top-Selling Brands in 1993: Maxtor, Conner, NEC

Special Value-Added Services: Five-years labor warranty, one-year parts warranty. Seven-day return policy, loaner policy on repairs. Open six days a week. Multimedia products specialist. We specialize in large screen monitors.

OAKLAND

Avanti Corporate Training

Store manager: Jerry Williams
4100-10 Redwood Rd., Ste. 402
Oakland, CA 94619
(510) 482-4333

Areas of Specialty (and In-House Specialist): PC training (software) (Jerry Williams); network training (Jerry Williams)

Operating Systems Supported: MS-DOS, Windows

Special Value-Added Services: Company specializes in software and network training. In-house or on-site available.

Domino Computer Oakland

Store manager: William Lee
1238 Harrison St.
Oakland, CA 94612
(510) 839-1800 Fax: (510) 839-1818

Areas of Specialty (and In-House Specialist): PC (William Lee); network (William Lee); upgrade and repair (William Lee)

Operating Systems Supported: MS-DOS, Windows

Top-Selling Brands in 1993: Novell, AIN, Zoltrice

Special Value-Added Services: Upgrade systems, repair and maintain service network for small-business consultation for accounting setup. Provide training for computers.

Excel Micro Solutions

Store manager: Louis Lopez
1730 Franklin St.
Oakland, CA 94612
(510) 836-2040 Fax: (510) 836-2040

Areas of Specialty (and In-House Specialist): PC hardware, repair/upgrade and training (Louis Lopez); network installation training (Louis Lopez); troubleshooting (Louis Lopez)

Operating Systems Supported: MS-DOS, Windows, Windows NT

Special Value-Added Services: Small class size with hands-on training. Expert training. Complete service manual given to each student for training classes.

JC Laser

Store manager: Nelson Lee
729 Rand Ave.
Oakland, CA 94610
(510) 832-2828 Fax: (510) 6789

Areas of Specialty: recharge cartridges; service and repair laser printers

Special Value-Added Services: Certify by Don Thompson (Diversified Technigraphics, Inc.). All work has three-month warranty and recharged cartridges are 100% guaranteed.

Mercury Computer

Store manager: Jerry Chen
1443 Broadway
Oakland, CA 94612
(510) 763-7622

Areas of Specialty (and In-House Specialist): hardware design (Jerry Chen); software support (Dr. Matherson); multimedia (Dr. Matherson)

Operating Systems Supported: MS-DOS, Windows, Windows NT, UNIX, OS/2

Top-Selling Brands in 1993: Brother, Bondwell, Panasonic

Special Value-Added Services: Call for a complete list of services. Five-years in-store labor warranty. 48-hour repair turnaround from service department, thirty-day return policy. Lifetime mechanical support.

MIS Services

Store manager: Gwen Dyson
436 14th St., Ste. 1030
Oakland, CA 94612
(510) 208-5700 Fax: (510) 208-5715

Areas of Specialty (and In-House Specialist): Novell-authorized training (Otis Millbrook); Novell-authorized service (Zonel Peters); UNIX-authorized training and service (Otis Millbrook)

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Teleport Gold v.32bis 14,400	$315
US Robotics Mac&Fax 14,400	$229

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NEC SilentWriter Model 1097	$1499
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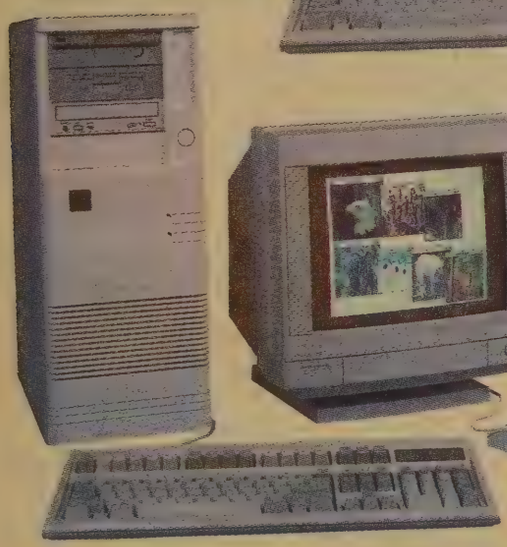

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Oakland, CA 94612
(510) 465-5700 Fax: (510) 465-8327
Areas of Specialty (and In-House Specialist): networking solutions (staff); hardware (staff); software (staff)
Operating Systems Supported: MS-DOS, Windows, Windows NT, Macintosh, OS/2, Novell
Top-Selling Brands in 1993: Apple, Compaq, IBM
Special Value-Added Services: Free on-site service, free loaner, free delivery and installation, 8-hour response time, complete diagnostics, phone technical support, custom configuration, authorized service department.

Palo Alto

Absolic Computing

Store manager: Willy Wong
999 Commercial St., #110
Palo Alto, CA 94303
(415) 858-2680 Fax: (415) 858-2840
Areas of Specialty (and In-House Specialist): Novell Netware (Connie Cheung); data base system programming (Willy Wong)
Operating Systems Supported: MS-DOS, Windows
Special Value-Added Services: Novell professional developer. Novell-certified engineers. Trained and tested to provide superior Netware support. Customer satisfaction/protection pricing scheme. Free initial consultation, business application programming.

Comtek Computer

Store manager: Sam Duong
3527 El Camino Real
Palo Alto, CA 94306
(415) 424-8151 Fax: (415) 424-8152
Areas of Specialty (and In-House Specialist): database (Sam); networking (Sam)
Operating Systems Supported: MS-DOS, Windows, Windows NT, Novell
Top-Selling Brands in 1993: Maxtor, ViewSonic, Orchid
Special Value-Added Services: We offer self-service training on building computers. One-year parts and one-year labor warranty. Phone technical support.

Fry's Electronics

Store manager: Michael Putnam
340 Portage Ave.
Palo Alto, CA 94306
(415) 496-6000 Fax: (415) 496-6044
Areas of Specialty (and In-House Specialist): computers (Scott Pugh); audio/video/telecommunications (Paul Gosswiler); components/memory (Kashif Saif)
Operating Systems Supported: MS-DOS, Windows, Windows NT, Macintosh, OS/2
Top-Selling Brands in 1993: Macintosh, Leading Edge, Hewlett-Packard
Special Value-Added Services: Custom integration, Novell Gold-authorized sales and configuration, network cabling and connectors, weekly vendor-sponsored educational demonstrations. Over 10,000 electronic items in stock seven days a week.

New River

Store manager: Ophelia Catbagan
540 University Ave.
Palo Alto, CA 94310
(415) 325-0651 Fax: (415) 325-2458
Areas of Specialty (and In-House Specialist): dBase (Brian Casey); networks (Brian Casey)
Operating Systems Supported: MS-DOS, Windows, Windows NT
Top-Selling Brands in 1993: AMI, Micronics
Special Value-Added Services: Custom integration and networking. Government, corporate, and University POs welcome. One-year parts and labor warranty.

Palo Alto Micro Computer

Store manager: Mark
3483 El Camino Real
Palo Alto, CA 94306
(415) 493-3209 Fax: (415) 493-4572
Areas of Specialty (and In-House Specialist): computer drive DRAM CPU (David); controller boards; hard drive
Operating Systems Supported: MS-DOS, Windows, Windows NT, UNIX, OS/2
Top-Selling Brands in 1993: ASI, DIK, PAM
Special Value-Added Services: Service, warranty, thirty-day money-back for some items.

PC Wharehouse

Store manager: Ken Yu
4540 California Ave.
Palo Alto, CA 94306
(415) 321-9288 Fax: (415) 321-9828
Areas of Specialty (and In-House Specialist): computer hardware/software (Ken Yu); networking (Ken Yu)
Operating Systems Supported: MS-DOS, Windows, Windows NT, OS/2
Top-Selling Brands in 1993: Kenitec, Arche, Toshiba
Special Value-Added Services: One-year hardware and two-years labor in-house warranties. We service and support any hardware and software with training.

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Top-Selling Brands in 1993: AMI, Micronics
Special Value-Added Services: Custom integration and networking. Government, corporate, and University POs welcome. One-year parts and labor warranty.

Pleasant Hill

CompuTown

Store manager: Jamal Hassan
1525 Contra Costa Blvd.
Pleasant Hill, CA 94523
(510) 682-8696
Areas of Specialty (and In-House Specialist): hardware configuration (staff); Novell/Netware/CNE (Jamal Hassan)
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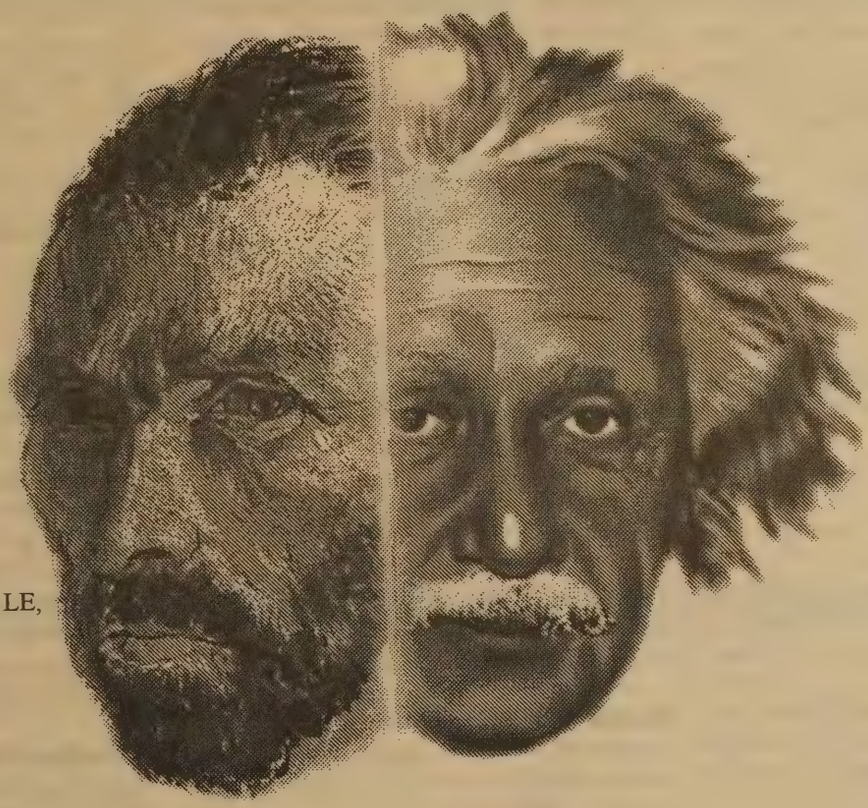

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(510) 680-0204 Fax: (510) 680-1013
Areas of Specialty (and In-House Specialist): Windows applications (staff); hardware configurations (staff); graphics systems (staff)
Operating Systems Supported: MS-DOS, Windows, Windows NT, OS/2, Novell, LANtastic
Special Value-Added Services: One-year parts, three-years labor warranty. On-site service available. Telephone technical support. We carry all multimedia products.

R-Computer
Store manager: Ed Roth
30-B Golf Club Rd.
Pleasant Hill, CA 94523
(510) 798-4884
Areas of Specialty (and In-House Specialist): hardware design (Robert Montes); multimedia upgrades (John Penny)
Operating Systems Supported: MS-DOS, Windows, Windows NT, OS/2
Top-Selling Brands in 1993: ViewSonic, Maxtor, Orchid
Special Value-Added Services: Lifetime labor warranty, one-year parts. Complete technical support. Fast upgrades and repairs. Personalized consulting service.

Pleasanton

Domino Computer - Pleasanton
Store manager: Mark Croad
6700 Santa Rita Rd.
Pleasanton, CA 94588
(510) 847-1771 Fax: (510) 847-1712
Areas of Specialty (and In-House Specialist): Novell Netware
Operating Systems Supported: MS-DOS, Windows, Windows NT, OS/2
Top-Selling Brands in 1993: MS-DOS, Windows, OS/2
Special Value-Added Services: On-site support. Systems integration, ie. software, multimedia, etc.

Rancho Cordova

HiQ Computers
Store manager: Armando Navaro
1967 Zinfandel Dr.
Rancho Cordova, CA 95670
(916) 635-7842 Fax: (916) 635-3692
Areas of Specialty (and In-House Specialist): MS-DOS (Armando); MS Windows (Jeminee)
Operating Systems Supported: MS-DOS, Windows, Windows NT, OS/2
Top-Selling Brands in 1993: HiQ, Conner, Maxtor
Special Value-Added Services: Thirty-day money-back. Lifetime technical support, one-year parts, two-years labor.

Redwood City

Advantix Inc.
Store manager: Deanna Manion
1757 East Bayshore Rd., Ste. 22
Redwood City, CA 94063
(415) 363-1225 Fax: (415) 363-0685
Areas of Specialty (and In-House Specialist): monitor repair (staff); terminal repair (staff)
Operating Systems Supported: MS-DOS, Windows, Windows NT, Macintosh
Special Value-Added Services: Free tube rejuvenation. Free estimate. Free diagnosting. Volume discount available. Loaners available. Warranty on all services.

CADesign, etc.
Store manager: Jodie Gebhard
1733 Woodside Rd., Ste. 305
Redwood City, CA 94061
(415) 365-5015 Fax: (415) 365-5017
Areas of Specialty (and In-House Specialist): facilities management/CAD (Phil Fleming); architectural CAD (Jodie Gebhard); CAD/mechanical drafting (Jodie Gebhard/Keith Hollenbeck)
Operating Systems Supported: MS-DOS, Windows, Windows NT, Macintosh, video components NTSC
Top-Selling Brands in 1993: DTK, AST, our custom systems, IBM clones
Special Value-Added Services: Systems integrator for vertical markets/evaluate products for that market, ensure compatibility with the base system, provide training and back-up drafting development/customization services.

California Systems
Store manager: Joann Moyer
312A Chestnut St.
Redwood City, CA 94063
(415) 365-2050 Fax:
Areas of Specialty (and In-House Specialist): training (Joann Moyer); service, support, repair (Scott Hunter)
Operating Systems Supported: MS-DOS, Windows, SCO, Macintosh
Special Value-Added Services: Full repair service on-site or in shop. Training on Novell, UNIX, accounting systems.

Computer Selection
Store manager: Craig Jueng
2001 Middlefield Rd.
Redwood City, CA 94061
(415) 368-8828 Fax: (415) 368-8803
Areas of Specialty (and In-House Specialist): personal organization; desktop publishing; networks
Operating Systems Supported: MS-DOS, Windows, Windows NT, Macintosh
Top-Selling Brands in 1993: Macintosh, Hewlett-Packard, NEC
Special Value-Added Services: On-site service, small to large network installations and support. Competitive pricing. We offer great service at a low price. Value.

ServTech Technologies
Store manager: Jason James
370 Convention Way
Redwood City, CA 94063
(415) 363-8085 Fax: (415) 363-1672
Areas of Specialty (and In-House Specialist): high-performance computer systems (Jason James); network systems (Jon Roman); Ergonomic product solutions (Brent Harnish)
Operating Systems Supported: MS-DOS, Windows, Windows NT, Unixware, Macintosh, OS/2
Top-Selling Brands in 1993: ServTech personal computer systems
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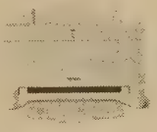

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TM4000E WinDX 2/50 (4/200Mb color dual scan) $3499
TM4000E WinDX2/50 (4/200Mb color active).....$3849

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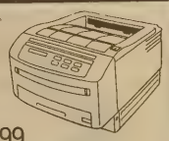
MicroWriter $529
MicroWriter PS23 .....$699
MicroWriter PS65 .....$959
MicroLaser Pro 600 PS23 .$1399
MicroLaser Pro 600 PS65 .$1569



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Canon

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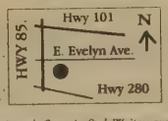
San Francisco 217 Sansome St. (415) 421-1801 (M-F: 9:00-6:00, SAT 11-5)

Mountain View 67 E. Evelyn Ave. (415) 968-3466 (M-F: 9:30-6:30, SAT closed)



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Top-Selling Brands in 1993: NEC, Panasonic, Logitech
Special Value-Added Services: Five-years labor warranty. Corporate free delivery. Extended warranty available. Complete upgrades and repairs.

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Store manager: Louis Guice
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(916) 489-1000
Operating Systems Supported: MS-DOS, Windows, Windows NT, Macintosh, OS/2
Top-Selling Brands in 1993: Apple, Hewlett-Packard, IBM
Special Value-Added Services: Service, training, support, extended warranties available. Demo days, seminars, best price guarantee, open weekends and evenings, wide assortment of products.

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Store manager: Du Huynh
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San Bruno, CA 94066
(415) 225-0153 Fax: (415) 225-0154
Areas of Specialty (and In-House Specialist): database (Du Huynh); networking (Du Huynh)
Operating Systems Supported: MS-DOS, Windows, Windows NT, Novell
Top-Selling Brands in 1993: Maxtor, ViewSonic, Orchid
Special Value-Added Services: We offer self-service training on building computers. One-year parts and one-year labor warranty. Phone technical support.

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Qualitron
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- Upgrade RAM from 4 to 8Mb [$215]
- Upgrade RAM from 4 to 16Mb [$477]
- Add secondary cache from 0 to 128Kb [$2
- Add secondary cache from 0 to 256Kb [$5
- Upgrade secondary cache from 128 to 256 [$25]
- Upgrade monitor to non-interlaced .28mm pitch [$25]
- Upgrade monitor to ADI 3E+ 14-in. [$90]
- Upgrade monitor to ADI 3G 14-in. [$95]
- Upgrade monitor to ADI 4G 15-in. [$160]
- Upgrade monitor to ADI 5A 17-in. [$550]

intel inside

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SX25	$1161	$1181	$1211	$1247	$1352
SX33	$1257	$1277	$1307	$1343	$1448
DX33	$1382	$1402	$1432	$1468	$1573
DX2/66	$1642	$1662	$1692	$1728	$1833

- Elitegroup 486 motherboard
- Integrated 8Kb cache, upgradeable to 256Kb
- 4Mb, 70ns high-speed memory, expandable to 32Mb
- 6 ISA slots
- 3.5-in. floppy drive
- 1024 x 768 SuperVGA adapter, with 1Mb RAM
- 1 parallel, 2 serial, 1 game port
- Enhanced 101-key mechanical keyboard
- 14-in., 0.28mm dot pitch SVGA color monitor, 1024 x 768
- Ergonomic desktop chassis with 200W power supply

Option:

- Upgrade to Prestige Slimline molded chassis with 85W power supply [$20]

SHASTA 486 $1222
PRESTIGE DESKTOP SYSTEM

Intel486	130Mb	170Mb	214Mb	250Mb	340Mb
SX25	$1222	$1242	$1272	$1308	$1413
SX33	$1318	$1338	$1368	$1404	$1509
DX33	$1443	$1463	$1493	$1529	$1634
DX2/66	$1703	$1723	$1753	$1789	$1894

- Elitegroup VESA Local Bus 486 motherboard
- Pentium™-technology ready, 238-pin ZIF socket
- 128Kb cache, upgradeable to 256Kb
- 4Mb, 70ns high-speed memory, expandable to 32Mb
- 6 ISA slots
- 2 VESA Local Bus slots: 1 master, 1 slave
- 3.5-in. floppy drive
- 1024 x 768 SuperVGA adapter, with 1Mb RAM
- 1 parallel, 2 serial, 1 game port
- Enhanced 101-key mechanical keyboard
- 14-in., 0.28mm dot pitch SVGA color monitor, 1024 x 768
- Prestigious molded chassis with 200W power supply

Options:

- Upgrade SuperVGA adapter to 1Mb VL adapter [$50]
- Upgrade to mid-tower chassis [$14]

SHASTA 486 $1651
EISA MID-TOWER SYSTEM

Intel486	214Mb	250Mb	340Mb
DX33	$1651	$1687	$1792
DX2/66	$1911	$1947	$2052

- Elitegroup EISA/VESA Local Bus 486 motherboard
- Pentium-technology ready, 238-pin ZIF socket
- 128Kb cache, upgradeable to 256Kb
- 4Mb, 70ns high-speed memory, expandable to 128Mb
- 8 EISA slots
- 2 VESA Local Bus slots: 1 master, 1 slave
- 3.5-in. floppy drive
- 1024 x 768 SuperVGA adapter, with 1Mb RAM
- 1 parallel, 2 serial, 1 game port
- Enhanced 101-key mechanical keyboard
- 14-in., 0.28mm dot pitch SVGA color monitor, 1024 x 768
- Ergonomic mid-tower chassis with 200W power supply

Option:

- Upgrade SuperVGA adapter to 1Mb VL adapter [$50]

SHASTA 486 $1722
MULTIMEDIA SYSTEM

Intel486	130Mb	170Mb	214Mb	250Mb
SX25	$1722	$1742	$1772	$1808
SX33	$1818	$1838	$1868	$1909
DX33	$1943	$1963	$1993	$2029
DX2/66	$2203	$2223	$2253	$2289

- Built-in stereo amplifier, 5 Watts (RMS) per channel, frequency response 20 to 20KHz
- Front panel controls:
  - Sound source
  - Microphone and headphone jacks
  - Volume control
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- Integrated 8Kb cache
- 4Mb, 70ns high-speed memory, expandable to 32Mb
- 6 ISA slots
- High-performance multimedia audio adapter
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- 3.5-in. floppy drive
- 1024 x 768 SuperVGA adapter, with 1Mb RAM
- 1 parallel, 2 serial, 1 game port
- Enhanced 101-key mechanical keyboard
- 14-in., 0.28mm dot pitch SVGA color monitor, 1024 x 768
- Integrated MPC chassis with 200W power supply

Mid-Tower System

Multimedia System

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Built-in Track Ball
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Reseller 1994 Guide

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(415) 637-3968 Fax: (415) 598-0337
Areas of Specialty (and In-House Specialist): monitors; terminals
Operating Systems Supported: Amiga, Windows, Macintosh, OS/2
Top-Selling Brands in 1993: Dyna, Relisys, Qume
Special Value-Added Services: Three-month warranty, cheapest price, best in the Bay Area.

Belmont Systems

Store manager: Andy Lin
1555 Industrial Rd.
San Carlos, CA 94070
(415) 598-9058 Fax: (415) 598-0186
Areas of Specialty (and In-House Specialist): sales (Andy Lin); technician (Vincent)
Operating Systems Supported: MS-DOS
Top-Selling Brands in 1993: 486-50 MHz, 386-40 MHz, 64K Cache systems
Special Value-Added Services: Best price, strong technical support.

Business Systems & Solutions

Store manager: Vinnie Gupta
1119 Industrial Rd. #9
San Carlos, CA 94070
(415) 594-1122 Fax: (415) 594-1199
Areas of Specialty (and In-House Specialist): accounting (Vinnie Gupta); AutoCAD (George Matta); desktop publishing (Jim Wilson)
Operating Systems Supported: MS-DOS, Windows, Macintosh
Top-Selling Brands in 1993: Compaq, Hewlett-Packard, Apple
Special Value-Added Services: Service, training, technical hotline, authorized service center for branded products.

Friendly Software Store

Store manager: Al Thoman
376 El Camino Real
San Carlos, CA 94070
(415) 593-8275 Fax: (415) 593-3089
Areas of Specialty (and In-House Specialist): consumer software; education; business
Operating Systems Supported: MS-DOS, Windows, Windows NT, Macintosh
Top-Selling Brands in 1993: Microsoft, Borland, WordPerfect
Special Value-Added Services: We service computers, install software.

Hi-Tech USA

Store manager: Johnny Cheng
987 B Industrial Rd.
San Carlos, CA 94070
(415) 508-8688 Fax: (415) 508-0383
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Operating Systems Supported: MS-DOS, Windows, OS/2
Top-Selling Brands in 1993: Hi-Tech computers, Western Digital, CTX
Special Value-Added Services: We provide low-cost and high-quality computer products which other stores simply cannot provide.

Hi-Tech USA

Store manager: Johnny Cheng
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(415) 508-8688 Fax: (415) 508-0383
Operating Systems Supported: MS-DOS, Windows, OS/2
Top-Selling Brands in 1993: Hi-Tech computers, Western Digital, CTX
Special Value-Added Services: We provide low-cost and high-quality computer products which other stores simply cannot provide.

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Adolph Gasser, Inc.

Store manager: Don Shearer
181 Second St.
San Francisco, CA 94610
(415) 495-3852 Fax: (415) 543-2615
Areas of Specialty (and In-House Specialist): computer imaging (Don Shearer); image output (Don Shearer); image capture (video/scan) (Don Shearer)
Operating Systems Supported: MS-DOS, Amiga, Windows, Windows NT, Macintosh, OS/2
Top-Selling Brands in 1993: Len R Scanner, Agfa, Kodak

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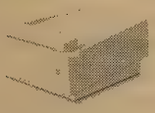

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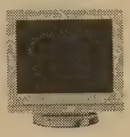

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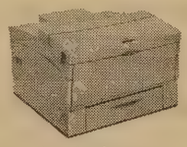

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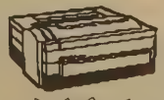

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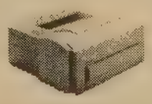

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- Lowest cost HP LaserJet printer

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After Rebate — $100

Rebate* Applies

$899.99

COMPUTER SELECTION

Redwood City
(415) 368-8828
Fax: (415) 368-8803
2001 Middlefield Road
(at Woodside Rd , by Price Club)
M-F 9:00 - 5:30 Sat 12 - 4

San Francisco
(415) 543-9888
Fax: (415) 777-1177
201 Mission Street
(across from PG & E Hdqtrs)
M-F 9:00 - 5:30 Sat 10 - 4

Sunnyvale
(408) 746-2288
Fax: (408) 746-2208
1202 Apollo Way
(at Central & Lawrence)
M-F 9:30 - 5:30 Sat 12 - 4

Walnut Creek
(510) 943-2882
Fax: (510) 943-2890
1676 N. California Blvd
(next to Max's Opera Cafe)
M-F 9:00 - 5:30 Sat 12 - 5

*HP REBATE ENDS DECEMBER 31, 1993.(see stores for details) *Leasing is subject to credit approval by Dana Commercial 36 months, requires 2 payments in advance as a security deposit. All sales subject to stock on hand. Not responsible for errors or omissions. Sale prices good for one week from date of advertisement. **See stores for details. Subject to credit approval

Reseller 1994 Guide

MICROTIMES DIRECTORY

Special Value-Added Services: Computer imaging seminars, turnkey imaging system installations from linage capture to output and even beyond photographics processing.

Advanced Computer Services

Store manager: Mi Oasion
1231 Market St.
San Francisco, CA 94103
(415) 552-2902 Fax: (408) 749-9449
Areas of Specialty (and In-House Specialist): custom order systems UNIX, ZENIX, OS/2 Novell, communication
Operating Systems Supported: MS-DOS, Windows, Windows NT, Solaris, SCO, Univel, Macintosh, OS/2, SAM workstation
Top-Selling Brands in 1993: Apple, ALR, AST
Special Value-Added Services: We offer full integrated system without ifs and buts, which will work on any environment, like pentium systems.

A and M Technologies

Store manager: Moin Ghataca
717 Market St. #404
San Francisco, CA 94103
(415) 974-3644 Fax: (415) 974-1318
Areas of Specialty (and In-House Specialist): desktop publishing (Sajid Hussain); export (M. Ahmad)
Operating Systems Supported: MS-DOS, Windows
Top-Selling Brands in 1993: Epson, IBM, AST

CBE Systems

Store manager:
210 Columbus St.
San Francisco, CA 94133
(415) 956-8484 Fax: (415) 956-7279
Areas of Specialty (and In-House Specialist): computer systems (Andrew Yen); networking (David Lan)
Operating Systems Supported: MS-DOS, Windows
Top-Selling Brands in 1993: 386-40, 486-33
Special Value-Added Services: We offer one-year parts and five-years labor warranties on all components without manufacturers' warranties.

Clarity Technologies

Store manager: Carolyn Cuff
444 Market St.
San Francisco, CA 94111
(800) 729-9995
Areas of Specialty (and In-House Specialist): Novell training (Brad Doster); Microsoft training (Berenice Jacobs); WordPerfect office training (Lisa Donald)
Special Value-Added Services: Clarity Technologies provides each student with hands-on training from highly rated and certified instructors with extensive field experience in state-of-the-art classroom facilities. Accelerated classes available.

Comart Business Systems, Inc.

Store manager: Joyce Chun
843 Howard St.
San Francisco, CA 94103
(415) 896-1765 Fax: (415) 896-2582
Areas of Specialty (and In-House Specialist): Novell network installation (Long Nguyen); DOS and Windows (Warner Chang); LANtastic (Long)
Operating Systems Supported: MS-DOS, Windows, Windows NT, UNIX, Macintosh, OS/2, LANtastic
Top-Selling Brands in 1993: Hewlett-Packard, Apple Macintosh, AST
Special Value-Added Services: Comart offers service and support on Hewlett-Packard, Apple/Mac, Hyundai, Compaq, Citizen, AST, Okidata, Epson, Novell, Panasonic printers. Authorized service center for Hewlett-Packard, Hyndai, Okidata products.

Compu-Data

Store manager: Sami Daniel
22 Third
San Francisco, CA 94103
(415) 495-3422 Fax: (415) 495-1952
Areas of Specialty (and In-House Specialist): service manager (Jonathan Curl)
Operating Systems Supported: MS-DOS, Windows, Windows NT, Macintosh, OS/2, Novell
Top-Selling Brands in 1993: Compu-Data PCs, Toshiba, IBM
Special Value-Added Services: Two-year warranty on labor, one-year on parts. 100% compatability guarantee in first year of money refunded.

Compunet

Store manager: Val Perez
55 Stevenson St., 2nd floor
San Francisco, CA 94105
(415) 243-9923 Fax: (415) 243-9924
Areas of Specialty (and In-House Specialist): Novell Netware (Mark Mosko); MS Windows (Val Perez)
Operating Systems Supported: MS-DOS, Windows, SVR4, Macintosh
Top-Selling Brands in 1993: Novell, Intel, 3Com
Special Value-Added Services: Complete network installation, configuration and support. Novell-authorized education, Novell platinum reseller.

Computer Quick

Store manager: Graham Leggett
165 8th St., #309
San Francisco, CA 94013
(415) 861-8330 Fax: (415) 861-8380
Areas of Specialty (and In-House Specialist): network (Jacob Cherkas); imaging (Jeremiah Cornelius)
Operating Systems Supported: MS-DOS, Windows, Windows NT, SCO, OS/2
Top-Selling Brands in 1993: Novell, Thomas Conrad, IBM
Special Value-Added Services: Special purchasing programs for large institutional buyers, including pricing program with monthly updates, online ordering, information, and volume purchase plans.

Computer Selection

Store manager: David Pinken
201 Mission
San Francisco, CA 94105
(415) 543-9888 Fax: (415) 777-1177
Areas of Specialty: networks, desktop publishing, multimedia
Operating Systems Supported: MS-DOS, Windows, Windows NT, Macintosh, OS/2
Top-Selling Brands in 1993: Macintosh, Compaq, Hewlett-Packard
Special Value-Added Services: Original location since 1983. Expert network support, expert support in desktop publishing and multimedia. Competent sales and service, best prices.

CompuTown

Store manager: Mohammad Waseem
760 Market St.
San Francisco, CA 94107
(415) 956-8696 Fax: (415) 989-8696
Areas of Specialty (and In-House Specialist): AutoCAD (John Mork); hardware configuration (staff); Novell/Netware (Imram Bawani)
Operating Systems Supported: MS-DOS, UNIX, Macintosh, OS/2, Novell
Top-Selling Brands in 1993: AST, Apple, Compaq
Special Value-Added Services: Novell Platinum dealer. On-site service. Complete factory-

AFFORDABLE NETWORKING.

(AND YOU THOUGHT PARTING THE RED SEA WAS A MIRACLE)

MOSESDOCK!® THE UNIVERSAL DOCKING SOLUTION FOR IBM-COMPATIBLE NOTEBOOKS.

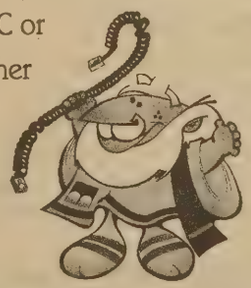
LESS THAN $200

Just plug it in and a portable can share all the resources and peripherals of a desktop. And both computers remain fully operational. Share hard drives. Quickly and easily transfer files and applications without changing cables or copying floppies. Print share with one mouse click or keystroke. And more.

MOSES SWIFTLAN.®
THE FIRST TRUE, HIGH-PERFORMANCE, HIGH-SPEED, PORTABLE LINKING-NETWORK.

LESS THAN $250

Until now there *was* a way to link a notebook to a IBM PC or compatible. But all it did was transfer files. Now with just two parallel port connections, your notebook can share all the applications, capabilities and peripherals of a PC or compatible. Share data files with another user. Back up your notebook with your desk-top's hard drive. Work on files simultaneously. Print share with one mouse click or keystroke. And more. Anytime. Anywhere.



MOSES computers

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DEMONSTRATIONS AT CompUSA, OR CALL 1-800-41-MOSES FOR THE RETAILER IN YOUR AREA.

Moses Computers 15466 Los Gatos Blvd., Suite 201, Los Gatos, CA 95032 (408) 358-1550 Fax (408) 356-9049

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authorized repairs, extended warranty available from our service center. Authorized Novell service center.

Domino Computer - San Francisco

Store manager: Cynthia Sheng
3400 Geary Blvd.
San Francisco, CA 94118
(415) 668-9311 Fax: (415) 668-0550
Areas of Specialty (and In-House Specialist): service (Wayland); software (Vee, Joe)
Operating Systems Supported: MS-DOS, Windows, Macintosh
Top-Selling Brands in 1993: Domino brand 486, 386

Info Tech

Store manager: Co. Quach
405 Arguello Blvd., #200
San Francisco, CA 94118
(415) 666-0431 Fax: (415) 666-0531
Areas of Specialty (and In-House Specialist): hardware (Co); WordPerfect 5.1 (David); Lotus 1-2-3 (Co)
Operating Systems Supported: MS-DOS, Windows, Windows NT, Altos, Hewlett-Packard
Top-Selling Brands in 1993: MS-DOS, Windows, NW Lite
Special Value-Added Services: Training class, technical support, rental, and repair. One-year warranties parts and labor, IBM compatibles, desktop and notebook. Best pricing.

It's CD

Store manager: Laurie Louie
1588 Noriega St.
San Francisco, CA 94122
(415) 604-1588 Fax: (415) 731-3252
Areas of Specialty (and In-House Specialist): Kodak Photo CD (Robert Lee / Laurie Louie)
Operating Systems Supported: MS-DOS, Windows
Special Value-Added Services: Images (35MM negative or slide) transferred to Photo CD.

Libre Service Computer Inc.

Store manager: Chris
1569 Sloat Blvd., Ste. 300
San Francisco, CA 94132
(415) 731-8966 Fax: (415) 731-8967
Areas of Specialty (and In-House Specialist): Novell (Jeff Chang); LANtastic (Jeff Chang)
Operating Systems Supported: MS-DOS, Windows, Windows NT, OS/2, Novell
Top-Selling Brands in 1993: Libre systems
Special Value-Added Services: Heavily service oriented plus we offer service contract. Three-year warranty. First year parts and labor on-site, second and third year labor only carry in.

MACadam Computer

Store manager: Paul Micalizio
1062 Folsom St.
San Francisco, CA 94103
(415) 863-6222 / (800) 697-9656 Fax: (415) 863-6498
Areas of Specialty (and In-House Specialist): multimedia (Doug Rickerson); NeXT (Hal Fox-Palmer); point of sale; inventory management (Paul/Tom)
Operating Systems Supported: Macintosh, NeXT
Top-Selling Brands in 1993: Apple, Radius, SuperMac
Special Value-Added Services: Service, support, warranties, return policy, and graphics solutions.

Media Tree

Store manager: Judy Tergis
510 1/2 Frederick St.
San Francisco, CA 94117
(415) 664-0484 Fax: (415) 664-0485
Areas of Specialty (and In-House Specialist): Commodore Amiga (Thomas S. Hong); NewTek video toaster (Thomas S. Hong); multimedia sales, service, production (Sarah Kurtz/William Lee)
Operating Systems Supported: Amiga, Windows
Special Value-Added Services: Friendly computer retailer for multimedia and video sales with emphasis on quality service, training and support.

MicroLink

Store manager: Donald Ho
3210 Geary St.
San Francisco, CA 94118
(415) 750-0863 Fax: (415) 750-0649
Areas of Specialty (and In-House Specialist): multimedia (Chuck Liu); Novell Voicecom (Jason)
Operating Systems Supported: MS-DOS, Windows, Windows NT, UNIX, OS/2, Novell
Top-Selling Brands in 1993: MDS systems, TwinHead, ViewSonic
Special Value-Added Services: Warranty 1-2-3. One-year parts, two-years motherboard, three-years labor. Repair, consulting, networking. Voicecom.

MPS Multimedia Inc.

Store manager: Steve Chen
342 West Portal Ave.
San Francisco, CA 94127
(415) 731-4677 Fax: (415) 731-1217
Areas of Specialty (and In-House Specialist): multimedia peripherals (Chris); CD-ROM drives (Nate)
Operating Systems Supported: MS-DOS, Amiga, Windows, Windows NT, Macintosh, OS/2
Top-Selling Brands in 1993: Toshiba 3401 CD-ROM drive, Pro Studio Spectrum 16, Soundblaster 16 ASP
Special Value-Added Services: As a multimedia-only VAR, MPS offers knowledgeable sales and support on multimedia products, peripherals and integrated systems for IBM and MAC.

Noe Valley Computers

Store manager: Angela Beske
100 Clipper St.
San Francisco, CA 94114
(415) 282-3000 Fax: (415) 641-0142
Areas of Specialty (and In-House Specialist): Power LAN (Howard Petrick); LANtastic (Howard Petrick); printer sharing (Pete Dent)
Operating Systems Supported: MS-DOS, Windows
Top-Selling Brands in 1993: Hewlett-Packard, DTK, LANtastic
Special Value-Added Services: On-site repair and service for PCs and laser printers. In-house repairs often done in 24–48 hours. One-year on-site parts and labor warranty on everything we sell.

PC Plus

Store manager: Vicky Jett
3412 Balboa St.
San Francisco, CA 94121
(415) 334-8273 Fax: (415) 334-9253
Areas of Specialty: CD-ROM
Operating Systems Supported: MS-DOS, Windows, Macintosh
Top-Selling Brands in 1993: Toshiba, Texel, Panasonic
Special Value-Added Services: Club price, 24-hr. lifetime support, BBS (415) 337-0104.

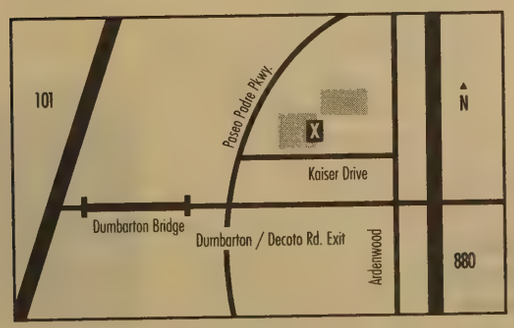
Premier Computer Systems

Get more from holiday shopping at the

Logitech Factory Outlet

Logitech's innovative computer products are on holiday wish lists around the world. If someone you know wants high-quality mouse, scanner, digital camera or sound products, get them at the **Logitech Factory Outlet** *or pick up something for yourself.*

- **Mice from $9.95**
- **Scanners from $59.95**
- **16-bit Sound Boards from $89.95**
- **Blank diskettes from $.20 each**
- **The complete fall collection of clothing, watches, business accessories and more**



Open 8AM-5PM Mon. thru Fri.
Saturdays 10AM-4PM
Tues. and Thurs. evenings til 7PM

LOGITECH

Logitech Inc.
6607 Kaiser Drive
Fremont, CA 94555
1-800-231-7717, option 5

Bring in this ad and get a package of 10 diskettes for only $1.75!*

*Offer expires Jan 31, 1994. Limit 5 packs per customer. Quantities limited

Notebook Specialists

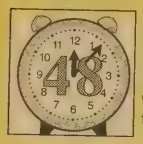
48 Hour Turnaround Time Guaranteed

WHY CYPRESS?

Excellent Technical Support

We have special equipment and qualified technicians to repair notebooks and all surface mounted components.

Fast 48 Hour Turnaround

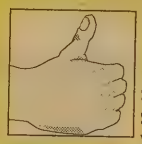


If we can't meet our deadline, we'll give you a free loaner. Our unparalleled guarantee reflects our outstanding reliability and dedication to our customer's satisfaction.

Best Prices

Buy from the source and save! Look for the ON-SALE model which offers exceptional value.

Solid Reputation



We have our own R&D department and register our own patents. Our happy customers include: The US Postal Services, Stanford University, EBMUD, Signal Sciences, Sage Instruments, New York Life, Etc.

Monitor Saver™ ENERGY SAVING DEVICE

- Automatically turns off the monitor when left idle for a specific time
- Power resumes at a simple keystroke

Patent pending

Introductory Price of $50 (Reg. $79)

Top 10 Reasons To Use Monitor Saver

1. No software required. Works with any operating system
2. Save up to 80% of the energy consumption of a monitor
3. Save $100 or more annually. Pays for itself in just a few months
4. Eliminate harmful electromagnetic emission when monitor is left idle
5. Help preserve the environment
6. Reduce wear and tear and prolong the useful life of monitor
7. Avoid screen "burn-in"
8. Simple installation. Connect in seconds
9. Easy to use
10. Exceeds EPA Energy Star Standard

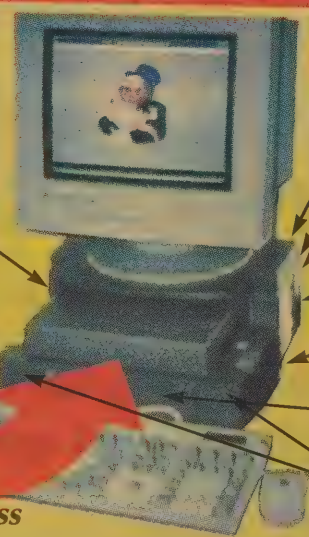
Energy EPA POLLUTION PREVENTER

Cypress 820 Notebook gives 32-Bit VESA Local Bus Power and the expandability of a desktop computer!

Type III PCMCIA slot (for credit card size accessories, fax/modem, hard drive, memory or LAN adapter)

Ports for 2 Serial, 1 Parallel, Keyboard and SVGA Display

SUPPORTS THE NEW WINDOW NT, NEXTSTEP & OS/2 OPERATING SYSTEMS!



Built-In Future Domain SCSI Controller

Big screen monitor stand

4 expansion slots: 2-32 Bit VESA Local Bus, 2-16 Bit ISA with space for 3 full length cards and 1-3/4" sized card.

25-Pin external SCSI port

Internal 3-1/2" drive bay for SCSI hard drive of up to 2GB

Drive bay for SCSI CD-ROM or tape back-up

Built-in stereo speakers

intel inside

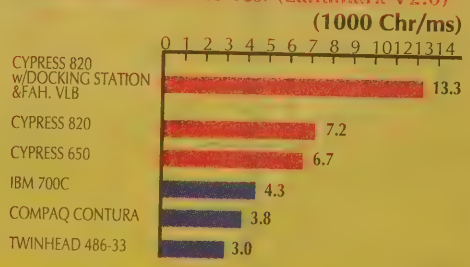
2 Year Labor & 1 Year Parts On All Notebooks

Cypress 820 Notebook

- 10" Active Color Matrix or 64 gray scale Mono
- 32-Bit VESA Local Bus Video
- 32-Bit VESA Local Bus SCSI Controller
- 128K Secondary Cache (optional)
- PCMCIA slots (type III)
- 4MB RAM, Expandable to 8, 12, 16, or 20MB
- 1.44MB floppy drive
- 120MB hard drive (200, 252, or 340MB optional)
- Built-in trackball
- Carrying case, battery adapter
- 11" x 8.6" x 1.9", 6.6lbs

Cypress Super Docking Station

Video Performance Test (Landmark V2.0)



Special Sale! 486DX-33 $1799

Model/CPU	820M Mono	820S Dual Scan Color	820T Active Color
486DX-33	$1799	$2695	$3575
486DX2-66	$2079	$2950	$3845
Super Docking Station		$495	

We Also Offer Other Models at Lower Prices

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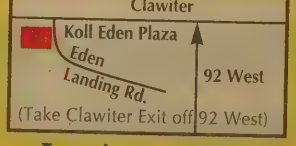
Tel: 510-786-9106 ❖ Fax: 510-786-9553
1-800-728-6688
Hours: Monday-Friday 9:00-6:00
Saturday by appt.

BRANCH OFFICE:
3472 El Camino Real, Santa Clara, Ca. 95051
Tel: 408-261-0628 ❖ Fax: 408-261-0639
1-800-675-5465
Hours: Monday-Friday 9:30-6:00
Saturday 10-5



Leasing and 0% Financing Available

The Energy Star Emblem Does Not Endorse Any Service or Product.

Reseller 1994 Guide

MICROTIMES 1994 DIRECTORY

Store manager: Jack Mak
708 Sacramento St.
San Francisco, CA 94108
(415) 989-4938 Fax: (415) 397-6006
Areas of Specialty (and In-House Specialist): software design and programming (Jack Mak); system integration and service (Charles Liu); computer network and software training (Jack Mak)
Operating Systems Supported: MS-DOS, Windows, Macintosh
Top-Selling Brands in 1993: Hewlett-Packard, Canon, NEC
Special Value-Added Services: Computer system sales and service. Network both Novell and LANtastic for clients. Design and program software for special needs of clients. Training for corporate customers.

RamComp

Store manager: Javed Khan
690 Market St., Ste. 515
San Francisco, CA 94104
(415) 986-5125 Fax: (415) 986-3677
Areas of Specialty (and In-House Specialist): system configuration (Majeed Malik); networking (Majeed Malik); setting up multiuser workstations (Majeed Malik)
Operating Systems Supported: MS-DOS, Amiga, UNIX, Macintosh, OS/2
Top-Selling Brands in 1993: AST, Everex, Gateway 2000
Special Value-Added Services: After-sale support and service including warranties.

SF Micro Inc.

Store manager: Tim Yu
1143 Post St.
San Francisco, CA 94109
(415) 929-1505 Fax: (415) 922-1187
Operating Systems Supported: MS-DOS, Windows
Top-Selling Brands in 1993: Compaq, Hewlett-Packard, AST
Special Value-Added Services: Service center and on-site service.

SF State University Downtown Center

Store manager: Ryszard Pochron
425 Market St.
San Francisco, CA 94105
(415) 904-7710 Fax: (415) 904-7760
Operating Systems Supported: MS-DOS, Windows
Special Value-Added Services: Autodesk training center offering all levels of AutoCAD training. Authorized Microsoft training. Also offering Intergraph/Microstation training and multimedia training.

Total Systems Inc.

Store manager: Casey Cass
432 Clay St.
San Francisco, CA 94111
(415) 393-1400 Fax: (415) 393-1436
Areas of Specialty: Paradox, WordPerfect, Windows
Operating Systems Supported: MS-DOS, Windows, Macintosh
Top-Selling Brands in 1993: TSI, ALR, AST
Special Value-Added Services: Service, training, support, warranties, return policy.

Whole Earth Access

Store manager: Steve Hart
401 Bayshore Blvd.
San Francisco, CA 94124
(415) 285-5244 Fax: (415) 285-7732
Operating Systems Supported: MS-DOS, Windows, Windows NT, Macintosh, OS/2
Top-Selling Brands in 1993: Apple, Hewlett-Packard, IBM
Special Value-Added Services: Service, training, support, extended warranties available. Demo days, seminars, best price guarantee, open weekends and evenings, wide assortment of products.

San Jose

AMT International

Store manager: Sharad Ramani
2393 Qume Dr.
San Jose, CA 95131
(408) 383-9044 Fax: (408) 383-9047
Areas of Specialty (and In-House Specialist): computer parts CPU, SIMM, SIPP laserjet mem Mathco
Top-Selling Brands in 1993: Micron, Toshiba, Samsung
Special Value-Added Services: One-year warranty, we replace or refund.

B & I Consulting

Store manager: Bryan Bond
5713 Arapaho Dr.
San Jose, CA 95123
(408) 972-0991 Fax: (408) 972-0991
Areas of Specialty (and In-House Specialist): Windows 3.1 (Bryan); Ami PRO (Bryan); Lotus 1-2-3 (Bryan)
Operating Systems Supported: MS-DOS, Windows, Macintosh, OS/2
Top-Selling Brands in 1993: Always Technology, Quantum, Archive
Special Value-Added Services: On-site service, service contracts, repair and upgrades, trade-ins, training, laser printer and hard drive experts.

Berlin Technology

Store manager: Tan Ly
1478A Fruitvale Ave.
San Jose, CA 95128
(408) 297-7138 Fax: (408) 297-7302
Operating Systems Supported: MS-DOS, Windows

CHICOTEC Computer

Store manager: Ken
542 W. Trimble Rd.
San Jose, CA 95131
(408) 954-8998 Fax: (408) 954-1135
Areas of Specialty (and In-House Specialist): multimedia (Terrance); hard drives (Michael)
Operating Systems Supported: MS-DOS, Windows
Top-Selling Brands in 1993: Maxtor, Hilite, Hewlett-Packard
Special Value-Added Services: computer parts, repairs, upgrades

Clarity Technologies

Store manager: Lisa Donald
181 Metro Dr.
San Jose, CA 95110
(800) 729-9995 Fax:
Areas of Specialty (and In-House Specialist): Novell training (Brad Doster); Microsoft training (Berenice Jacobs); WordPerfect office training (Lisa Donald)
Special Value-Added Services: Clarity Technologies provides each student with hands-on training from highly rated and certified instructors with extensive field experience in state-of-the-art classroom facilities. Accelerated classes available.

Computask

Store manager: Homer Yeganeh
565 E. Brokaw Rd.
San Jose, CA 95131

(408) 263-8500 Fax: (408) 453-9306
Areas of Specialty (and In-House Specialist): hardware support (on-site) (field service engineers); network installation and support (certified Novell engineers)
Operating Systems Supported: MS-DOS, Windows, Windows NT, Macintosh, OS/2
Special Value-Added Services: We are a "service" company. We also provide hardware for sale and/or rental. Installation of all networks are performed by our FEs/CNEs.

Computer Outlet

Store manager: Chris Micelli
2010 Duane Ave.
San Jose, CA 95037
(408) 492-9292 Fax:
Areas of Specialty (and In-House Specialist): complete hardware integration (Chris Micelli); software/multimedia (Jeff Naylor)
Operating Systems Supported: MS-DOS, Windows
Top-Selling Brands in 1993: Wyse, CSI, Samsung
Special Value-Added Services: Complete tech staff in house with over 120 years combined business experience in all hardware and software aspects in the IBM-compatible world.

Computer Werx

Store manager: Ali Fakih
2372 Clune #F
San Jose, CA 95131
(408) 954-0490 Fax: (408) 954-0496
Areas of Specialty (and In-House Specialist): UNIX (Ramin); hardware/software sales (Ali); networks (Reggie)
Operating Systems Supported: MS-DOS, Windows, Windows NT, UNIX, Macintosh
Top-Selling Brands in 1993: AST, Compaq, NEC
Special Value-Added Services: On-site service. Extended warranty, repairs, CPU, monitors, printers. Novell/network installations. We deliver to you!

CompuTown

Store manager: Austan Haeed
780 Montague Expwy.
San Jose, CA 95131
(408) 275-8696 Fax: (408) 297-8696
Areas of Specialty (and In-House Specialist): software (Ajaz Nizam); database (Ajaz Nizam); Novell/CNE (Ahsan Haeed)
Operating Systems Supported: MS-DOS, UNIX, Macintosh, OS/2, SUN/Novell
Top-Selling Brands in 1993: AST, Compaq
Special Value-Added Services: On-site service. Complete factory-authorized repairs, extended warranty. Networking services available.

Core Microsystems

Store manager: Sarah/Jerry
92 Bonaventura Dr.
San Jose, CA 95134
(408) 383-9090 Fax: (408) 383-9149
Areas of Specialty (and In-House Specialist): AutoCAD (Sarah Chang)
Operating Systems Supported: MS-DOS, Windows, Windows NT, UNIX, OS/2
Top-Selling Brands in 1993: Hitachi Monitor, Diamond Viper VGA card, Calcomp digitizer
Special Value-Added Services: Specialize in AutoCAD on both hardware and software, provide complete solution for CAD users. On-site service available.

Dolphin Computer Systems

Store manager: Bob Morrisette
2640 Shadowvale Way
San Jose, CA 95132
(408) 262-0903 Fax: (408) 262-0903
Areas of Specialty (and In-House Specialist): FrameMaker (Bob Morrisette)
Operating Systems Supported: MS-DOS, Windows
Top-Selling Brands in 1993: Panasonic
Special Value-Added Services: Computer rentals which include training, pickup and delivery, setup and maintenance.

Domino Computer - Blossom Hill

Store manager: Kenneth Ng
461 Blossom Hill Rd., Unit H1
San Jose, CA 95123
(408) 383-1800 Fax: (408) 383-1803
Areas of Specialty (and In-House Specialist): system upgrade/hardware services (Jacky, Kenneth, Alan, Frank); accounting system/Novell consulting (Simon, Jacky, Kenneth, Gaby)
Operating Systems Supported: MS-DOS, Windows, Windows NT, Novell connection, Macintosh, OS/2, Novell Netware
Top-Selling Brands in 1993: SBT System 7 Accounting, 486DX-66 systems, 486SLC-266 MHz system
Special Value-Added Services: We provide system upgrade to customers. Network consulting and installation. Specialize in accounting packages. Call our hotline to get your system upgrade and network information at (408) 363-1800.

Explore Company

Store manager: Jane Fan
6472 Camden Ave. #104
San Jose, CA 95120
(408) 997-1275 Fax: (408) 927-7218
Areas of Specialty (and In-House Specialist): CD-ROM drives and software; educational software
Operating Systems Supported: MS-DOS, Windows, Macintosh
Top-Selling Brands in 1993: Davidson and The Learning Co. software, Toshiba CD drive
Special Value-Added Services: We offer consulting advise for customers to choose appropriate hardware and software. All products are backed by thirty-day satisfaction guarantee.

Holly Electronic Corp.

Store manager: Cooper Wang
2012 Hartog Dr.
San Jose, CA 95131
(408) 441-6200 Fax: (408) 441-6209
Areas of Specialty: computer case, power supply for PC, Green PC energy-saving accessories

ICS Computer

Store manager: John
900 S. Winchester Blvd.
San Jose, CA 95128
(408) 241-9787 Fax: (408) 241-9789
Operating Systems Supported: MS-DOS, Windows, Windows NT, SCO
Special Value-Added Services: Service, training.

International Micro Devices (IMD)

Store manager: Harvey Heeray
1630 Oakland Rd., Ste. A108
San Jose, CA 95731
(408) 452-7700 Fax: (408) 452-7771
Areas of Specialty: memory, CPUs, trade-in/excess merchandise
Special Value-Added Services: Memory is lifetime warrantied and CPUs carry minimum twenty-day warranty.

ISC Computers & Communications Inc.

Store manager: Ken Hong

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AND DIVIDE

23 Great Oaks Blvd., Ste. E
San Jose, CA 95119
(408) 227-2286 Fax: (408) 227-3086
Areas of Specialty (and In-House Specialist): networking and groupware (Ken Hong/Francis Hong); UNIX voice/data communications (Ken Hong/David Yang); multimedia and Macintosh (Veronica Alarcon)
Operating Systems Supported: MS-DOS, Windows, Windows NT, SCO, UNIX, SUN, Hewlett-Packard, Macintosh, OS/2
Top-Selling Brands in 1993: Novell Netware, Microsoft, Hewlett-Packard
Special Value-Added Services: ISCCI offers full-services/one-stop networking software and hardware expertise. Backed by all major computer software/hardware companies, and partners with all strategic vendors.

JDR Microdevices
Store manager: Doug Bailey
1238 S. Bascom Ave.
San Jose, CA 95128
(408) 280-7144 Fax: (408) 947-8234
Operating Systems Supported: MS-DOS, Windows, Windows NT, OS/2
Top-Selling Brands in 1993: NEC, Epson, Seagate
Special Value-Added Services: Thirty-day return, one year over the counter warranties on every product, 24-hour turnaround on service. Outlet for both PC and component catalogs.

KCS Technology Inc.
Store manager: Joseph Y. Kim
1340 Saratoga-Sunnyvale Rd., Ste. 204
(408)252-9710 Fax: (408)252-9712
Areas of Specialty: fax modems, memory modules
Operating Systems Supported: MS-DOS, AmigaDOS, Windows, Windows NT, UNIX, OS2

MCC Systems Inc.
Store manager: Frank Chen
1035 Saratoga-Sunnyvale Rd., Ste. 4B
San Jose, CA 95129
(408) 255-4471 Fax: (408) 255-4348
Areas of Specialty (and In-House Specialist): AutoCAD (Wayne Johnson); desktop publishing (Randy Kimball); UNIX (Eric Zhao)
Operating Systems Supported: MS-DOS, Windows, Windows NT, UNIX, OS/2
Top-Selling Brands in 1993: MCC486 Multimedia computers, AutoCAD 12, Video Plus video capture board
Special Value-Added Services: One-year parts, five-years labor free warranty.

McLain Imaging
Store manager: Lisa McLain
1009 Tulipan Dr.
San Jose, CA 95129
(408) 252-6268 Fax: (408) 252-6267
Areas of Specialty (and In-House Specialist): PC graphics: Bitmap, Quattro (Lisa McLain); PostScript (Lisa McLain)
Operating Systems Supported: Windows, Windows NT
Top-Selling Brands in 1993: Image Assist software, Tosco software, Film Assist
Special Value-Added Services: Service and product support.

MediaNet Technologies
Store manager: Connie
3227 Sieber Way
San Jose, CA 95111
(408) 226-5728 Fax: (408) 229-9318
Areas of Specialty (and In-House Specialist): multimedia products (Connie); notebook computers (Connie)
Operating Systems Supported: MS-DOS, Windows
Top-Selling Brands in 1993: Toshiba, Panasonic, Twinhead
Special Value-Added Services: Thirty-day return policy, technical support, one-year warranty on parts and labor.

Mega Micro Electronics
Store manager: Prit Gill
2133 Morrill Ave.
San Jose, CA 95132
(408) 942-8061 Fax: (408) 942-4842
Areas of Specialty (and In-House Specialist): CPU memory; memory upgrades
Operating Systems Supported: MS-DOS, Windows
Top-Selling Brands in 1993: CPUs, memory modules, motherboards
Special Value-Added Services: All parts carry one-year warranty except CPU carries thirty-day warranty. Memory expansion cards carry lifetime warranty.

Memory Source International
Store manager: Balkar Singh
2471B Autumnvale Dr.
San Jose, CA 95131
(408) 956-9980 Fax: (408) 956-9992
Areas of Specialty (and In-House Specialist): memory CPUs
Special Value-Added Services: We give warranties in CPUs thirty days. Memory - one year.

Miracle Computers, Inc.
Store manager: Charles Cheng
780 Montague Expwy., Ste. 202
San Jose, CA 95131
(408) 435-8177 Fax: (408) 435-8179
Operating Systems Supported: MS-DOS, Windows, Windows NT, OS/2
Top-Selling Brands in 1993: Orchid, ViewSonic, Microsoft

Multi-Micro Systems Inc.
Store manager: Jim W. Chung
62 Bonaventura Dr.
San Jose, CA 95134
(408) 456-0333 Fax: (408) 456-0366
Areas of Specialty (and In-House Specialist): industrial PC (Mr. Moon, Mr. Chang); network PC systems (Mr. Moon, Mr. Chang); personal PC systems (Mr. Moon, Mr. Chang)
Operating Systems Supported: MS-DOS, Windows, OS/2
Top-Selling Brands in 1993: Hyundai, Intel, Novell
Special Value-Added Services: Installation, engineering, and software services. Novell education. One-year parts warranty.

NCA San Jose
Store manager: Sunny Bell
962 Blossom Hill Rd.
San Jose, CA 95125
(408) 363-4600 Fax: (408) 363-4610
Areas of Specialty: PC and Mac peripherals; IBM-compatible systems
Operating Systems Supported: MS-DOS, Windows, Windows NT, UNIX, Macintosh, OS/2
Top-Selling Brands in 1993: Maxtor, Quantum, Conner
Special Value-Added Services: Full line of hard drives and multimedia products. Largest selection of storage devices worldwide. Specializing in sub-systems, external drives, and peripherals. Also Alexis computer systems.

Network Interop
Store manager: Allan Bavmgartner
30 East San Carlos St.
San Jose, CA 95113
(408) 298-6300 Fax: (408) 298-6430

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- 1 Year Parts, 3 Years Labor Warranty

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- SVGA Monitor 1024x768 .28dp
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- IDE I/O of 2FD/2HD/2S/1P/1G
- Tower or Desktop Case w/PS
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- 1 Year Parts, 3 Years Labor Warranty

$860 486DLC-40
- Cyrix CPU and Math Chips
- 128K External Cache
- 4 MB RAM Exp. to 32 MB
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- 1.2 MB Floppy Drive
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- SVGA Monitor 1024x768 .28dp
- Trident SVGA Card & Driver
- IDE I/O of 2FD/2HD/2S/1P/1G
- Tower or Desktop Case w/PS
- 101 Enhanced Keyboard
- 3 Button Mouse
- 1 Year Parts, 3 Years Labor Warranty

$810/780 486Sx-33/25
- Intel CPU, AMI BIOS
- 8 K External Cache
- 4 MB RAM Exp. to 32 MB
- 120 MB Hard Disk
- 1.2 MB Floppy Drive
- 1.44 MB Floppy Drive
- SVGA Monitor 1024x768 and Card
- IDE I/O of 2FD/2HD/2S/1P/1G
- Tower or Desktop Case w/PS
- 101 Enhanced Keyboard
- 3 Button Mouse
- 1 Year Parts, 3 Years Labor Warranty

$750 386-40
- AMD CPU, 128K Ext. Cache
- 4 MB RAM Exp. to 32 MB
- 120 MB Hard Disk
- 1.2 MB Floppy Drive
- 1.44 MB Floppy Drive
- SVGA Monitor 1024x768 and Card
- IDE I/O of 2FD/2HD/2S/1P/1G
- Tower or Desktop Case w/PS
- 101 Enhanced Keyboard
- 3 Button Mouse
- 1 Year Parts, 3 Year Labor Warranty

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Pentium ZIF Socket	Add 15
All Other Options	Call

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- Sound Blaster 16
- CD-ROM Drive
- Speakers
- 8 Software

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Mitsumi MPC CD-ROM, 350ms	$155
Toshiba XM-3401 SCSI CD-ROM, 200ms	350
Sound Blaster 16 ASP Sound Card	195
Spectrum 16 Sound Card, SCSI/AT	140/130

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340 MB (Western Digital)	270
510 MB (Conner)	440
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SCSI IDE Card	50
Promise IDE VLB Cache Controller	125
Adaptec 1542C SCSI IDE	175
Adaptec 1742 EISA SCSI	330

MONITORS

14" Mono Amber	$80
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Super VGA (1024x768) .28	225
Super VGA (1024x768) .28 NI	240
ViewSonic 6	280
Impression-5 15"	350
ViewSonic-15 15"	440
ViewSonic-17 17"	1000
Sony 1430/1730	570/970
880 NEC 3FGE/4FGE/5FGE	590/690/1070

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Cirrus SVGA 1024x768, 1MB RAM, VLB	90
Orchid Fahrenheit SVGA, 1 MB RAM, VLB	140
Orchid Celsius SVGA, 1 MB VRAM, VLB	205
Orchid P3000 3 MB VRAM, VLB Accelerator	360
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Fax/Modem (9600 SendFax, 2400 Modem)	$28
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MISCELLANEOUS

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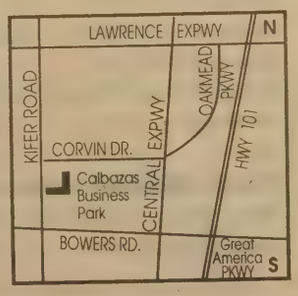

RAINBOW COMPUTERS
M-F: 9-6:30

Areas of Specialty (and In-House Specialist): networks (staff); Windows (staff); communications (staff)
Operating Systems Supported: MS-DOS, Windows, Windows NT, UNIX, OS/2
Top-Selling Brands in 1993: IBM clone, Hewlett-Packard
Special Value-Added Services: Service, on-site and telephone support, networks and communications support to mixed vendors.

NOW Electronics

Store manager: Sam Zaghbaba
2526 Seaboard Ave.
San Jose, CA 95131
(408) 894-7060 Fax: (408) 894-7062
Areas of Specialty (and In-House Specialist): high-end systems (Rami Batarseh); multimedia (Hassan Ali); peripherals (Rami Batarseh)
Operating Systems Supported: MS-DOS, Windows, Windows NT, UNIX, OS/2, NextStep, Solaris
Top-Selling Brands in 1993: Intel, Western Digital, Micronics
Special Value-Added Services: Specialize in delivering the latest in technology at a competitive price. thirty day money-back guarantee. One-year parts and lifetime labor.

Pixel USA Computers

Store manager: David Nguyen
1937 Tully Rd.
San Jose, CA 95122
(408) 929-7218 Fax: (408) 929-7244
Areas of Specialty (and In-House Specialist): MS-DOS (Jason Harmon)
Operating Systems Supported: MS-DOS, Windows
Top-Selling Brands in 1993: Sony, Orchid, AMI

Prestige Computer Inc.

Store manager: Anthony Sans
3248 Stevens Creek Blvd.
San Jose, CA 95117
(408) 249-3398 Fax: (408) 249-3392
Areas of Specialty (and In-House Specialist): personal system configuration
Operating Systems Supported: MS-DOS, Windows, SCO, OS/2
Top-Selling Brands in 1993: Sony, NEC, ViewSonic

Proven Technology Inc.

Store manager: Johnny Lau
2009 O'Toole Ave.
San Jose, CA 95131
(408) 894-0858 Fax: (408) 894-0358
Areas of Specialty (and In-House Specialist): networking (LAN/WAN) (Johnny Lau); PC integration and troubleshooting (Vincent Wan); Email (Moi)
Operating Systems Supported: MS-DOS, Windows
Top-Selling Brands in 1993: Novell, Proven PCs, DA Vinci Email
Special Value-Added Services: Installation of LAN/WAN. CNE on staff to help in planning, installation, support, and training. One-year warranty from PTI with extended warranty from manufacturer if available.

RT Computers, Inc.

Store manager: Ray Tetreault
1630 Oakland Rd., #A112
San Jose, CA 95131
(408) 437-3063 Fax: (408) 437-1156
Areas of Specialty (and In-House Specialist): DOS/Windows (Ray); LANtastic/Windows work groups (Bob)
Operating Systems Supported: MS-DOS, Windows, Windows NT, OS/2
Top-Selling Brands in 1993: RT 486-66, RT 486-33, RT Local Bus 486
Special Value-Added Services: RT offers full business solutions. Hardware, software, installation and after-sale support. Warranty one-year parts and labor.

Titan Intelligent Systems

Store manager: Willy Guo
2300 Zanker Rd., #E
San Jose, CA 95131
(408) 894-9068 Fax: (408) 894-9069
Areas of Specialty (and In-House Specialist): Netware network (Wilson Chang)
Operating Systems Supported: MS-DOS, Windows, UNIX, OS/2
Top-Selling Brands in 1993: Panasonic, IBM, Adaptec
Special Value-Added Services: One-year warranty w/thirty-day money-back guarantee.

Tower Computer Inc.

1373 So. Bascom Ave.
San Jose, CA 95128
(408) 288-6937 Fax: (408) 288-7120
Operating Systems Supported: MS-DOS, Windows, OS/2
Special Value-Added Services: Thirty-day money-back, one-year parts, five-years on labor, 12-hr. service turnaround.

Whole Earth Access

Store manager: Arron Figueroa
3530 Stevens Creek Blvd.
San Jose, CA 95117
(408) 554-8300 Fax: (408) 554-8362
Operating Systems Supported: MS-DOS, Windows, Windows NT, Macintosh, OS/2
Top-Selling Brands in 1993: Apple, Hewlett-Packard, IBM
Special Value-Added Services: Service, training, support, extended warranties available. Demo days, seminars, best price guarantee, open weekends and evenings, wide assortment of products.

WIT

Store manager: Bruce Wang
7073 O'Toole Ave.
San Jose, CA 95131
(408) 433-0188 Fax: (408) 433-0318
Areas of Specialty (and In-House Specialist): IBM 486 computers WIT 386/486 high-performance computers; name-brand components
Operating Systems Supported: MS-DOS, Windows
Top-Selling Brands in 1993: WIT PC desktop, CompuADD notebook, Conner HDD
Special Value-Added Services: We offer the best quality at the lowest cost with guaranteed service.

SAN LEANDRO

Westgate Super, Inc./PC Ten

Store manager: Andy Chu
1933 Davis St., Ste. 262
San Leandro, CA 94577
(510) 568-1688 Fax: (510) 568-6888
Areas of Specialty (and In-House Specialist): networking (staff); Windows (staff); technical support (staff)
Operating Systems Supported: MS-DOS, Windows, Windows NT, Novell
Top-Selling Brands in 1993: QIC, Maxtor
Special Value-Added Services: Two-year parts warranty, one-year labor. Nationwide express on-site service. Networking services. Telephone technical support. All configuration tested for a minimum of three weeks.

continued on page 75

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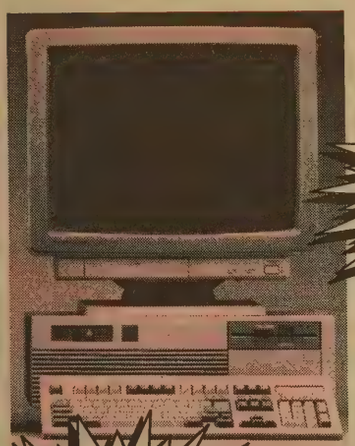
486DX-50 VLB w/128K	475	868	1095	1118
486DX-33 VLB w/128K	340	733	957	980
486DX2-66 EISA/VLB W/256K	620	1013	1237	1260
486-50 EISA/VLB W/256K	570	963	1187	1210
486-33 EISA/VLB W/256K	435	828	1052	1075
486DX2-66 ISA W/128K	516	909	1133	1156
486-50 ISA W/128K	465	858	1082	1105
486SLC2-50 IBM MB W/64K w/ Math-co	199	592	816	839
486-33 ISA W/128K	335	728	952	975
486SX-25 W/128K	152	545	769	792
386-40 W/128K	108	501	725	748
386SX-33	68	461	685	708



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DIAMOND Stealth 24 w/1MB (ISA/VLB)	146
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ORCHID Fahrenheit VLB w/1MB	137
ORCHID Fahrenheit 1280 Plus w/1MB	137
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NEC 5FGE 17" 1024x768 .28	1060
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Promise DC-4030 VLB/Cache Controller 0-16MB	125
Adaptec SCSI 1542 CFK w/Kit (ISA)	232
Adaptec SCSI 2742TK (EISA)	355
Adaptec SCSI VLB 2842	290
VLB IDE Controller 2FD/2HD with 2S/1P/1G	31

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Tower Case mini size, 5 drive, 230wps	48

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Sleeping Beauty	15
Space Adventure	23
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Mitsumi LU005 w/Int	$144
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SOUND CARDS

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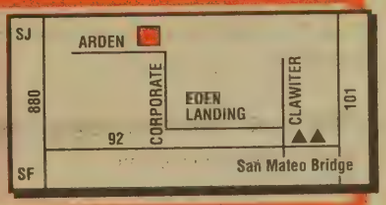

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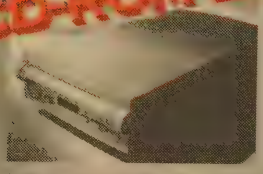

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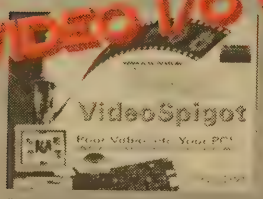

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Reseller 1994 Guide

continued from page 70

SAN MATEO

NOW Electronics

Store manager: Rami Batarseh
2031 Pioneer Court #2
San Mateo, CA 94403
(415) 345-4577 Fax: (415) 345-4576
Areas of Specialty (and In-House Specialist): high-end systems (Rami Batarseh); multimedia (Hassan Ali); peripherals (Rami Batarseh)
Operating Systems Supported: MS-DOS, Windows, Windows NT, UNIX, OS/2, NextStep, Solaris
Top-Selling Brands in 1993: Intel, Western Digital, Micronics
Special Value-Added Services: Specialize in delivering the latest in technology at a competitive price. thirty day money-back guarantee. One-year parts and lifetime labor.

Whole Earth Access

Store manager: Doug Jefferson
Island Shopping Center
San Mateo, CA 94404
(415) 578-9200 Fax: (415) 578-0683
Operating Systems Supported: MS-DOS, Windows, Windows NT, Macintosh, OS/2
Top-Selling Brands in 1993: Apple, Hewlett-Packard, IBM
Special Value-Added Services: Service, training, support, extended warranties available. Demo days, seminars, best price guarantee, open weekends and evenings, wide assortment of products.

SAN RAFAEL

Domino Computer - Marin

Store manager: Mike Nguyen
757 Lincoln #30
San Rafael, CA 94901
(415) 453-8525 Fax: (415) 453-8586
Areas of Specialty (and In-House Specialist): DOS, Windows (Mike Nguyen); network (John Hayward)
Operating Systems Supported: MS-DOS, Windows
Special Value-Added Services: Self-service center where you can build your computer for yourself.

HiQ Computers

Store manager: Wille Weng
2048 Fourth St.
San Rafael, CA 94901
(415) 459-1893 Fax: (415) 459-7248
Areas of Specialty (and In-House Specialist): MS-DOS (Wille); MS Windows (Javis)
Operating Systems Supported: MS-DOS, Windows, Windows NT, OS/2
Top-Selling Brands in 1993: HiQ, Conner, Maxtor
Special Value-Added Services: Thirty-day money-back. Lifetime technical support, one-year parts, two-years labor.

Whole Earth Access

Store manager: Richard Giusti
901 E. Francisco Blvd.
San Rafael, CA 94901
(415) 459-3533 Fax: (415) 459-1100
Operating Systems Supported: MS-DOS, Windows, Windows NT, Macintosh, OS/2
Top-Selling Brands in 1993: Apple, Hewlett-Packard, IBM
Special Value-Added Services: Service, training, support, extended warranties available. Demo days, seminars, best price guarantee, open weekends and evenings, wide assortment of products.

SAN RAMON

Domino Computer - San Ramon

Store manager: Tom Stombaugh
2217 San Ramon Valley Blvd., Ste. C
San Ramon, CA 94583
(510) 820-6022 Fax: (510) 820-6022
Areas of Specialty (and In-House Specialist): Novell Netware
Operating Systems Supported: MS-DOS, Windows, Windows NT, OS/2
Top-Selling Brands in 1993: MS-DOS, Windows, OS/2
Special Value-Added Services: On-site support, systems integration ie. software, multimedia, etc.

SANTA CLARA

A & C International

Store manager: Linda Zhao
1400 Coleman Ave. #G24
Santa Clara, CA 95050
(408) 988-0788 Fax: (408) 988-2880
Areas of Specialty (and In-House Specialist): CD-ROM audio cables (Linda Zhao/Yu Chen); IBM/PC compatible (Linda Zhao/Yu Chen)
Operating Systems Supported: MS-DOS
Top-Selling Brands in 1993: multimedia audio cables, computer components
Special Value-Added Services: Lifetime warranties on audio cables, one-year warranties on computer components, best service.

Access Computer Technologies

Store manager: Dan Smith
2225 El Camino Real
Santa Clara, CA 95050
(408) 247-4444 Fax: (408) 247-4448
Areas of Specialty (and In-House Specialist): accounting (Mike Nealon); general business (Mike Nealon); communications (Mike Nealon)
Operating Systems Supported: MS-DOS, Windows
Top-Selling Brands in 1993: Microsoft, Borland, Symantec
Special Value-Added Services: Sales and service open seven days, we honor the manufacturers' warranty policy and seven-day return policy.

Active Electronics

Store manager: Nilesh Chhotu
1717 El Camino Real
Santa Clara, CA 95050
(408) 249-5494 Fax: (408) 249-4126
Areas of Specialty (and In-House Specialist): credit/accounts (Nilesh Chhotu); all components (Jennifer Burkhardt); technical information (Steve Moreno)
Special Value-Added Services: Fifteen-day refund, we supply spec shoots and cross-referenced components.

APPRO International Inc.

Store manager: Young Kim
3687 Enochs St.
Santa Clara, CA 95051
(408) 732-6091 Fax: (408) 732-6095
Operating Systems Supported: MS-DOS, Windows
Top-Selling Brands in 1993: Rackmount computer, Tower system, industrial computer

Special Value-Added Services: One-year warranty, thirty-day money-back guarantee.

ASA Computers

Store manager: Arvin Bhargava
2354 Calle Del Mundo
Santa Clara, CA 95054
(408) 496-6853 Fax: (408) 988-0359
Areas of Specialty (and In-House Specialist): UNIX; networking; RAID (Paul Gulati); multimedia, graphics (Billy Bath); communication, mobile computing (Umesh Bhargava)
Operating Systems Supported: MS-DOS, Windows, Windows NT, SCO
Top-Selling Brands in 1993: Orchid, Diamond, US Robotics
Special Value-Added Services: We are a full line PC integration shop. The services range from integration and distribution to the high-end graphics design workstation and networking.

B&C Computer Visions

Store manager: Cathy Carso
2730 Scott Blvd.
Santa Clara, CA 95050
(408) 986-9960 Fax: (408) 986-9968
Areas of Specialty (and In-House Specialist): music MIDI/DSP home entertainment; word processing/desktop publishing
Operating Systems Supported: TOS
Top-Selling Brands in 1993: Star, Atari, Lynx
Special Value-Added Services: Service of Falcon TI, Stacy, 800, XL, XE computers and disk drives. Software for 8- and 16-bit machines. Music software for beginner to professional.

Central Computer Systems Inc.

Store manager: Saul Young
820 Kiely Blvd.
Santa Clara, CA 95051
(408) 241-0185 Fax: (408) 241-0390
Areas of Specialty (and In-House Specialist): monitors, modems (Jim Gibson); printer, memory (Norman Yip); network cards, LANtastic products (Ann Lai)
Operating Systems Supported: MS-DOS, Windows
Top-Selling Brands in 1993: Microsoft, NEC, Maxtor
Special Value-Added Services: We provide wide selection at low prices, many large monitors on display, personal service and good after-sales support.

Comp USA

Store manager: Blake Wolff
3561 El Camino Real
Santa Clara, CA 95051
(408) 345-4100 Fax: (408) 345-4161
Areas of Specialty (and In-House Specialist): PC products/multimedia (Robert Jordan); Mac products (Brandon Valore); tech support (Rob Braun)
Operating Systems Supported: MS-DOS, Windows, Windows NT, UNIX, Macintosh, OS/2, IBM DOS
Top-Selling Brands in 1993: Macintosh, Dell, Compaq
Special Value-Added Services: CompUSA operates 57 high-volume stores throughout the US, emphasizing on customer service, product knowledge, and software training.

Computer Express

Store manager: Janet Tran
2725 West El Camino
Santa Clara, CA 95051
(408) 247-1996 Fax: (408) 247-1184
Areas of Specialty (and In-House Specialist): Windows (Robert McKeith); DOS (Kevin Tran); multimedia (Robert McKeith)
Operating Systems Supported: MS-DOS, Windows, OS/2
Top-Selling Brands in 1993: MS-DOS 6, Windows 3.1

Comtek Computer

Store manager: Quan Tran
5029 Stevens Creek Blvd.
Santa Clara, CA 95051
(408) 249-4297 Fax: (408) 249-4298
Areas of Specialty (and In-House Specialist): database (Quan Tran); networking (Quan Tran)
Operating Systems Supported: MS-DOS, Windows, Windows NT, Novell
Top-Selling Brands in 1993: Maxtor, ViewSonic, Orchid
Special Value-Added Services: We offer self-service training on building computers. One-year parts and one-year labor warranties. Phone technical support.

Consolidated Business Systems

Store manager: Doug Hulme
2962 Scott Blvd.
Santa Clara, CA 95054
(408) 986-8704 Fax: (408) 986-0540
Areas of Specialty (and In-House Specialist): Novell Netware; Microsoft Windows; SBT accounting
Operating Systems Supported: MS-DOS, Windows, Windows NT, OS/2
Top-Selling Brands in 1993: Novell, Compaq, IBM
Special Value-Added Services: Experienced CNEs; Novell-authorized service center; LAN/WAN service/sales; IP/IPX/MAC integration; multiplatform eMail; custom SBT programming; service contracts; 24-hour paging.

Data Automation Systems

Store manager: Fred Amini
1659 Scott Blvd. #26
Santa Clara, CA 95050-4137
(408) 983-0449 Fax: (408) 983-0416
Areas of Specialty (and In-House Specialist): bar-code systems (PC-based) LAN-based (Bob Fredriks); bar-code hardware, decoders, printers, scanners (Fred Amini); radio frequency terminals and systems (Ray McWard)
Operating Systems Supported: MS-DOS, Windows, Windows NT, SCO, Macintosh, OS/2
Top-Selling Brands in 1993: Norand, Saho, CMC America
Special Value-Added Services: We offer complete turnkey solutions in bar-coding for manufacturing, warehousing, distribution industries; training, support all provided.

Hitron Systems

Store manager: Lye Hin
3170 El Camino Real
Santa Clara, CA 95051
(408) 261-2695 Fax: (408) 261-2698
Areas of Specialty (and In-House Specialist): PC LANtastic, Novell
Operating Systems Supported: MS-DOS
Special Value-Added Services: Prompt service and good warranties on parts and toll-free tech support.

HSC Electronic Supply

Store manager: Jim West
3500 Ryder St.
Santa Clara, CA 95051
(408) 732-1573 Fax: (408) 732-6428
Areas of Specialty (and In-House Specialist): new and used computer sales; electronic components; test equipment

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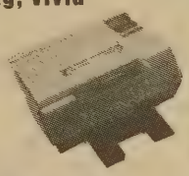

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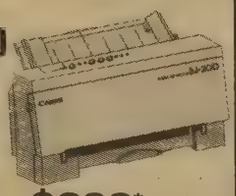

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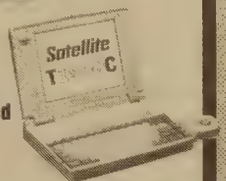

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Reseller 1994 Guide

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Jemini Electronics

Store manager: Jay Kim
3448 De La Cruz Blvd.
Santa Clara, CA 95054
(408) 727-9986 Fax: (408) 727-7687

Areas of Specialty (and In-House Specialist): CAD workstations (Jay Kim); image processing (24-bit color) (Don); desktop publishing (Don)

Operating Systems Supported: MS-DOS, Windows, Windows NT, UNIX, OS/2

Top-Selling Brands in 1993: Exp 486 CAD workstation, Hewlett-Packard plotters, Matrox

Special Value-Added Services: Custom-built CAD workstation with customer-provided CAD software. Large selection of CAD hardware, graphics equipment. Customer actually can compare each CAD/Graphics equipment performance.

Media Value

Store manager: Bob McMahon
4251 Burton Dr.
Santa Clara, CA 95054
(800) 845-3472 Fax: (408) 727-3155

Areas of Specialty (and In-House Specialist): diskettes; ribbons; tape cartridges

Operating Systems Supported: MS-DOS, Windows, Windows NT, Macintosh, OS/2

Special Value-Added Services: Media Value specializes in the sale of bulk diskettes, tape cartridges, printer ribbons, diskette holders and other media supplies. Orders received via phone, fax and mail only.

Microlink Research Inc.

Store manager: Anthony Chan
3472 El Camino Real
Santa Clara, CA 95051
(408) 261-0628 Fax: (408) 261-0639

Areas of Specialty (and In-House Specialist): servicing any notebooks/computers (Richard Wang); networking (Anthony Chan)

Operating Systems Supported: MS-DOS, Windows, Windows NT, SCO, OS/2

Top-Selling Brands in 1993: NTC, Microlink, Cypress

Special Value-Added Services: We service all notebooks and computers, any brand, any speed, any problem.

MP Computer Micro Systems, Inc.

Store manager: Doug Werner
3004 Lawrence Expwy.
Santa Clara, CA 95051
(408) 481-9600 Fax: (408) 481-9604

Areas of Specialty (and In-House Specialist): Macintosh (Art Fallon); CPU (Art Fallon); Lapis/Rasterops/video (Doug Werner)

Operating Systems Supported: Macintosh

Top-Selling Brands in 1993: Lapis, Raster Ops, Apple

New River

Store manager: Christine Maliga
3070 Scott Blvd.
Santa Clara, CA 95054
(408) 980-0602 Fax: (408) 990-0604

Areas of Specialty (and In-House Specialist): dBase (Richard Tse); networks (Richard Tse)

Operating Systems Supported: MS-DOS, Windows, Windows NT, Novell

Top-Selling Brands in 1993: AMI, Micronics, Quickpath

Special Value-Added Services: Custom integration and networking. Government, corporate, and University POs welcome. One-year parts and labor warranty.

Sonic Computer

Store manager: Mo
3056-C Scott Blvd.
Santa Clara, CA 95054
(408) 727-4362 Fax: (408) 727-5528

Operating Systems Supported: MS-DOS, Windows

Top-Selling Brands in 1993: Maxtor HDD, Nice motherboard, Genoa motherboard

Special Value-Added Services: One-year parts and labor warranty, unlimited technical support phone calls.

Storage System Engineering Service

Store manager: Kenny Wong
3350 Scott Blvd., Bldg. 19, Ste. 1902
Santa Clara, CA 95054
(408) 727-6040 Fax: (408) 727-6042

Areas of Specialty (and In-House Specialist): DOS, UNIX, OS/2, Novell, Windows (James Chang); business application (Dede); Windows workgroup (Dede)

Operating Systems Supported: MS-DOS, Windows, Windows NT, UNIX, OS/2

Top-Selling Brands in 1993: Desktop 486DX systems, VGA Gas Plasma LCD, SVGA CRT color portables

Special Value-Added Services: We offer one-year parts and labor warranty, unlimited tech support. We offer free software installation with purchase of select systems.

Symphony Computers

Store manager: Jeff Tran
3460 Edward Ave.
Santa Clara, CA 95054
(408) 980-8325 Fax: (408) 980-8327

Areas of Specialty (and In-House Specialist): DOS (Don); Windows (Pat)

Operating Systems Supported: MS-DOS

Top-Selling Brands in 1993: Infinity 2000 systems, Genoa, Panasonic

Special Value-Added Services: High-quality brand-name products, at the lowest prices.

Tanstaafl Manufacturing

Store manager: John Schwartz
2064 Walsh Ave., Ste. B
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Areas of Specialty: peripheral sharing, network products

Operating Systems Supported: MS-DOS, Amiga, Windows, Windows NT, OS/2

Special Value-Added Services: Total support.

Technoland

Store manager: Tony Huang
3485 Kifer Rd.
Santa Clara, CA 95051
(408) 992-0888 Fax: (408) 992-0808

Areas of Specialty (and In-House Specialist): PC assembly and services (Robert/Sonny); printer services (Sonny)

Operating Systems Supported: MS-DOS, Windows, Windows NT, SCO, OS/2

Top-Selling Brands in 1993: TECH-PC systems, Portwell, Touch

Special Value-Added Services: One-year warranty on parts and five years on labor. Seven-day money-back guarantee. Free online technical support and same-day turnaround service.

TGF Technology Sales, Inc.

Store manager: Calvin Lee
3945 Freedom Circle Dr., Ste. 350
Santa Clara, CA 95054-1224
(408) 980-0500 Fax: (408) 980-6312

Areas of Specialty: CAD design server (enterprise system for small-business)

Operating Systems Supported: SUN, Solaris

Top-Selling Brands in 1993: Axil workstation, Acropolis, NCD

Special Value-Added Services: We offer a full

continued on page 288

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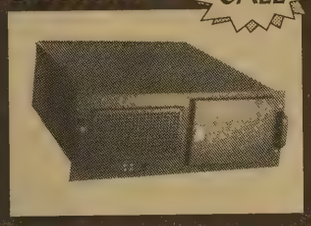

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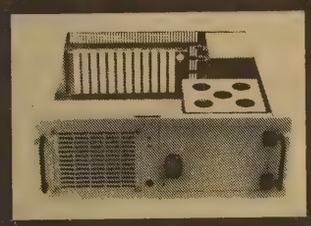

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- 8 Slot Motherboard Mounting
- U.S.A. Manufactured

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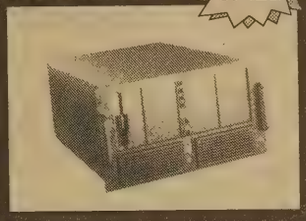

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- Motherboard or Passive Backplane
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- USA Manufactured

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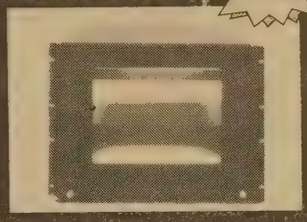

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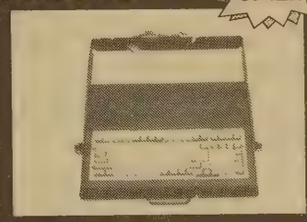
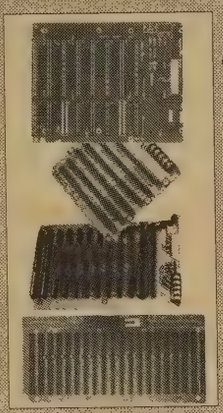


CENTRALIZED LAN SYSTEM

PASSIVE BACKPLANE BOARD



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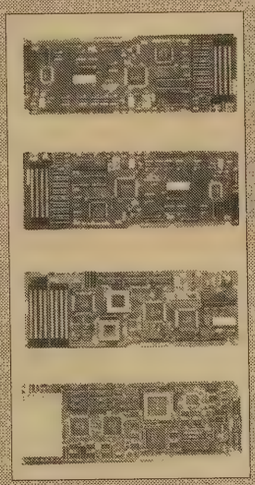

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(w/8 Slots)

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286C-12 CPU Card System $248
386SX-16 CPU Card System $430
386SX-20 CPU Card System $440
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*Basic System Configuration
- Mini Tower Case w/200W PS
- 1 MB RAM -1FDD
- 512K VGA
- 14" Mono VGA Flat Screen Hyundai Monitor
- 101 Keyboard

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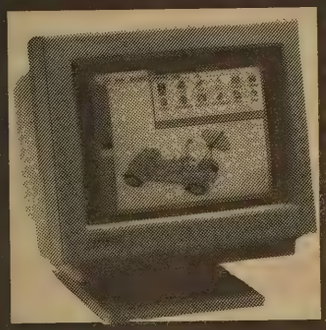
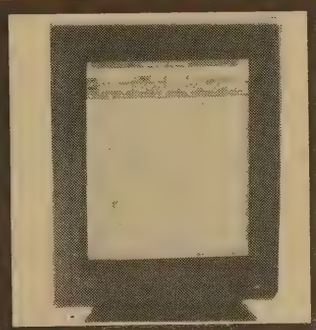
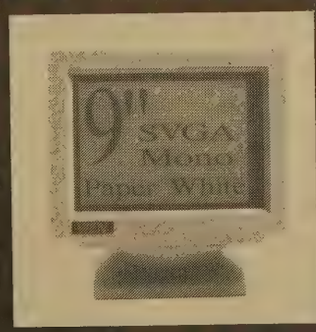


14" SVGA COLOR MONITOR
- CRT 14" DIAGONAL NON-GLARE FLAT
- DOT: .28mm
- RES: 1024 X 768 NON-INTERLACE, 800 X 600, 720 X 400, 640 X 480, 640 X 350
- POWER SUPPLY: 120-240V AUTO SELECTION



15" MACINTOSH FULL PAGE MONITOR
- CRT: 15" DIAGONAL, NON-GLARE FLAT PAPER WHITE
- MACINTOSH II, SE, SE/30 COMPATIBLE
- RES: 640x872 FULL PAGE
- POWER SUPPLY: 96 to 250V

15" PAPER WHITE VGA MONITOR
- CRT: 15" DIAGONAL, NON-GLARE FLAT PAPER WHITE
- RES: 640 x 600, 640 x 550, 640 x 350, 720 x 400, 640 x 480
- POWER SUPPLY: 120V



9" SVGA MONITOR MONO PAPER WHITE
- CRT: 9" x 90 DEFLECTION NON-GLARE PAPER WHITE
- RES: 1024x768, 720x400, 640x480
- POWER SUPPLY: 100-240V

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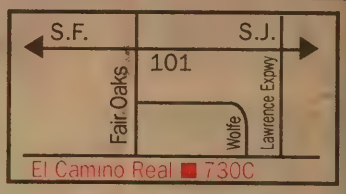

SC486DX VLB SUPER SYSTEM

- INTEL 486DX-33 MHz CPU
- 256K CACHE
- US MADE VLB SUPER BOARD
- 4 MB RAM
- 1.2 MB OR 1.44 MB FLOPPY DRIVE
- 101 KEYBOARD AND I/O CARD
- 245 MB HARD DISK
- VLB VIDEO ACCELERATOR
- IDE CONTROLLER
- 14" SVGA MONITOR .28MM
- MINI TOWER CASE W/230W POWER SUPPLY

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- 128K CACHE
- 4 MB RAM
- 130 MB HARD DISK
- IDE CONTROLLER
- 1.2 MB OR 1.44 MB FLOPPY DRIVE
- 101 KEYBOARD AND I/O CARD
- SVGA ADAPTER WITH 512K
- 14" SVGA MONITOR 0.28MM
- MINI-TOWER CASE W/230W POWER SUPPLY

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* TEAC 1.2MB Floppy Drive
* TEAC 1.44MB Floppy Drive
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* Microsoft Compatible Mouse w/ Pad
* VESA Local Bus IDE 2HD/2FD Controller
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*Media Vision Spectrum 16
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(Monitor not included)

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*Mitsumi 101 Enhanced Keyboard
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*VESA Local Bus 2HD/2FD IDE Controller w/2 Serials, 1 Parallel, 1 Game Ports
*Mini Tower Case w/230 Watts Power Supply

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SLC2 50 SLC2 66

486- 25 / 33 / 50 / 66 ISA 128KB Cache 130MB

*INTEL 486-25SX/33SX/33DX/50DX/66DX2
*ISA Motherboard 128KB Cache Memory (up to 256 KB)
*4MB DRAM Simm 70ns (up to 32MB)
*250MB 12ms IDE Hard Drive
*14" 1024x768 0.28dp SVGA monitor
*Trident 8900CL SVGA 1024X786 Graphic Card w/1MB
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*Mitsumi 1.44MB Floppy Drive
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*Microsoft Compatible Mouse w/ Pad
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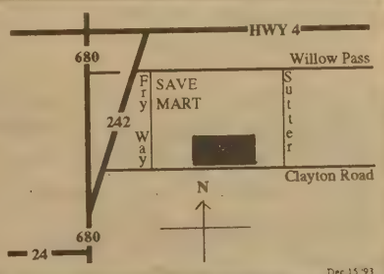

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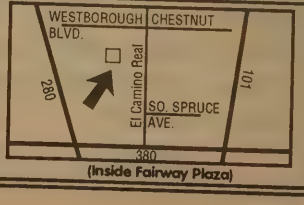

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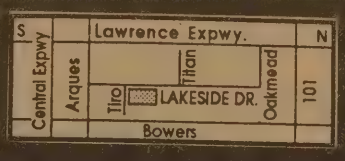

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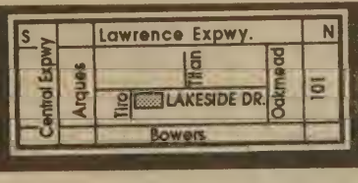

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170mb/16ms (IDE) Conner CP30124	189
245mb/15ms (IDE) Maxtor	220
250mb/15ms (IDE) Conner	220
340mb/13ms (IDE) Maxtor/Corner	275/265
1 GB Toshiba MK537FB	780
1.2 GB - 13ms (SCCI) Fujitsu	870
1.7 GB - 13ms (SCCI) Maxtor	1125
2.1 GB - 13ms (SCCI)	1740

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TOSHIBA CD ROM 3401 (200ms)	335
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Chinon CD ROM CDS535	320
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Diamond Stealth Pro VRAM w/1MB/2MB	245/310
Diamond Viper VESA Localbus w/2MB	370
SPiDER 32VESA Local Bus w/1MB/2MB	93/143
SPiDER 32VLB Plus w/1MB/2MB	115/165
SPiDER BlackWidow VLB w/1MB/2MB	190/240
Orchid Farenheit 1280Plus w/1MB	145
Orchid Farenheit Localbus w/1MB	145
Orchid Farenheit VA VLB	165
Orchid Celsius 1MB	220
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ATI Graphic Ultra Pro ISA w/2MB	315
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NEC 5FGE/6FGE	1,050/2,280
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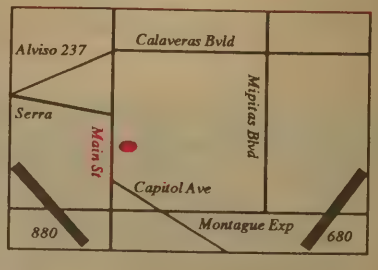

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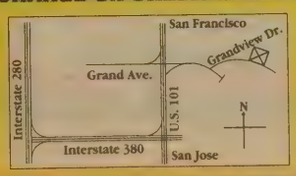

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Brother HL-8E V 1/2 MB	99/139
Compaq Pagemarq 15 & 20 1/4/8	49/139/266
Fujitsu RX7100/7200 1/2 MB	185/245
Kyocera F800, F800Am F800T 2/4	95/137
NEC Silentwriter 90/290	99/124
NEC Silentwriter 95 2 MB	104
TI Microlaser 1 MB	55

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433P,33P,325P,33D,325D			
	1 MB	310-2505	$59
	4 MB	310-2507	175
433TE, 425TE & Powerline Workstation			
	2 MB	310-2466	130
	4 MB	310-2467	185
	8 MB	310-2468	339
	16 MB	310-2469	659
Power Desktop 486D, D/33, D/25, D/20, D/66			
	1 MB	310-2505	$59
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	16 MB	310-2625	645
OTHER MODELS			CALL

CPU CHIPS

Cyrix 486DLC 25/33/40	$55/69/89
INTEL 486DX-33/50/2-50/2-66	275/399/299/449
INTEL 486SX-25/33	85/129

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LTE 286	2 MB	117081-002	$115
	4 MB	117081-003	175
SLT 286	4 MB	110237-001	299
LTE 386S/20	2 MB	12125-001	119
	4 MB	121125-002	195
Contura Lite 20/25			
	2 MB	129769-001	105
	4 MB	129769-002	155
	8 MB	129769-003	295
Portable 386	1 MB	107651-001	109
	4 MB	107653-001	299
Portable III	2 MB	10-7332-001	79
	EBD	167811-001	199
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T5100, T3100, T1600	2 MB	84
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T3200SX, SXC	2/4 MB	99/157
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T3100	2 MB	109
T2200SX, SXE, T1000LE	2/4/8MB	105/157/279
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Prospeed SX/20	1/4 MB	105/229
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Powermate 486/25E, 486/33I	2/8 MB	85/345
Powermate Express Series	1/4/16 MB	69/169/595
Other Models		CALL

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Altima LSX	2/4 MB	165/249
Avanti	2/4 MB	160/340
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- Shadow RAM
- 1.2 or 1.44MB Floppy Drive
- 1.1 Interleave HD/FD Controller
- Tower or Desktop case w/power supply
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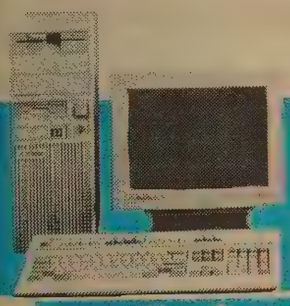

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Fax Modem (9600 Fax, 2400 Modem)	50
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Viewsonic 15	460
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NEC 3FGE/4FGE/5FGE	590/690/1070

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230W Power Supply	48
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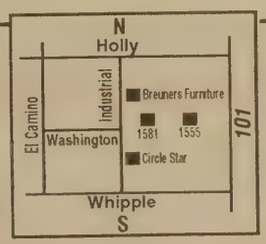

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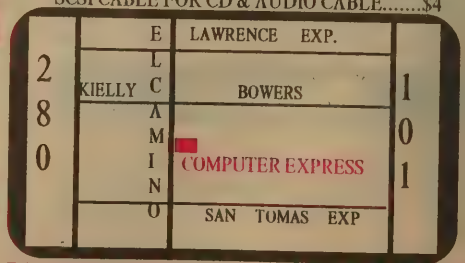

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Also check later in this Ad for the store closest to you.

This is a sample chart to help you configure systems.
Look at our other pages for more peripherals.

SYSTEM CACHE 64K on all DX MBs $25 more for 256K	Basic System M/B, 1MB mini tower IDE/2SPG 1.44 FDD 101 K/B	Basic System +40MB ide 14" mono Mon MGP Card	Basic System +40MB ide 13" VGA Col .28 Ref. 1 yr. War. VGA Card	Basic System +80MB ide 14" SVGA .39 SVGA 512 Card Total 4MB 5/17/93	Basic System +120MB ide 14" SVGA .28 SVGA 1MB Card Total 4MB +1.2 Floppy	Basic System +200MB ide 14" NI SVGA .28 SVGA 1MB Card Total 8MB +1.2 Floppy	Basic System +340MB ide 14" NI SVGA .28 SVGA 1MB Card Total 8MB +1.2 Floppy	Basic System +340MB ide 14" NI SVGA .28 SVGA 1MB Card Ttl 8MB +1.2 fdd CD-ROM, Spkrs Sound, J stick,
PENTIUM-VLB	$2,154	VLB Machines have VLB IO/IDE and VLB 1MB SVGA				$3,044	$3,104	$3,349
486DX-66 VLB	$768	where applicable			$1,435	$1,658	$1,718	$1,963
486DX-50 VLB	$708				$1,374	$1,597	$1,657	$1,902
486SLC2-66 IBM	$449				$1,116	$1,339	$1,399	$1,644
486DX-33 VLB	$570	Corporate: 48 hr On-site plan available			$1,237	$1,460	$1,520	$1,765
486SX-25 VLB	$365				$1,002	$1,225	$1,285	$1,530
486DX2-66 EISA	$805		$1,088	$1,323	$1,442	$1,665	$1,725	$1,970
486DX2-66 ISA	$725	$920	$1,007	$1,242	$1,362	$1,585	$1,645	$1,890
486DX-33 ISA	$519	$714	$802	$1,037	$1,156	$1,379	$1,439	$1,684
486DLC40 ISA	$308	$503	$590	$826	$945	$1,168	$1,228	
386DX-40 ISA	$270	$465	$552	$787	$907	$1,129		
386SX-40 ISA	$237	$432	$519	$754	$874			
286-20 ISA	$219	$414	$501	$736	$856			

Free mouse w/ all systems

Memory prices change, so ask for current prices.

This Matrix is updated frequently, please give us a call and we will fax you the latest version

VAR's and reseller's call for our reseller matrix.

All ASA build systems have an in-house system warranty of three years.

Parts Warranty is 1 year.

Professional Multi-Media System

486DX2-66 w/256K
AMI Enterprise III
Diamond Full Tower
32 MB RAM
AMI SCSI/LAN VLB
Diamond Viper VLB
1.2 GB Toshiba HD
1.2 MB 5.25" FD
1.44 MB 3.5" FD
TrueVision Targa+ 16
Toshiba 3401B CD-ROM
Labtec CS800 Speaker
Hitachi Accu PS21
Microsoft Mouse
Focus 9000 KB
DOS 6.0
Windows 3.1
.....$8539

Business Class Multi-Media System

486DX-33 w/256K
MustangF VLB MB
Med Tower Case
16MB RAM
340 MB IDE HD
Mustang VLB IDE/IO
Diamond 24 Stealth VLB
1.2 MB 5.25" FD
1.44 MB 3.5" FD
Pro Audio Spectrum 16
Toshiba 3401 CD-ROM
Labtec Speakers
Mitac 15"
KeyBoard
.....$2624

Student Multi-Media System

483SX-25 VLB
Mini Tower Case
8 MB RAM
245 MB IDE HD
IDE w/2SPG
1.2 MB 5.25" FD
1.44" MB 3.5" FD
Orchid Fah VLB w/1MB
Pro Audio Spectrum 16
Mitsumi CD-ROM
14" 1024x768 .28
Mustang Speakers
KeyBoard
CD 6PK Bundle
.....$1775

Home Use Multi-Media System

386SX33 MB
Mini Tower Case
4 MB RAM
120 MB IDE HD
IDE w/2SPG
1.2 MB 5.25" FD
1.44" MB 3.5" FD
VGA w/512K
Heyna SB Compatible
Mitsumi 350ms CD-ROM
Mustang Speakers
VGA 13"(Ref 6 mon)
KeyBoard
.....$999

.....TOP OF THE LINE LOCAL BUS GRAPHICS/CAD WORKSTATIONS.....

SPECS	SAGITARA PENTIUM	MICRONICS	ORCHID	AMI SUPERVOYAGER	MUSTANG F	PEGASUS
Motherboard	SAGITARA PENTUIM	MICRONICS MX-30**	ORCHID	AMI Super Voyager**	MUSTANG**ISA/VESA	PEGASUS M EISA/VESA
Power	P5-60MHz 512K CACHE	486-66 256K CACHE	486-66 256K CACHE	486-66 256K CACHE	486-66 256K CACHE	486-66 256K CACHE
Video Power*	50 winmark	26 winmark	50 winmark	42 winmark	54 winmark	54 winmark
RAM	8MB-70 exp to 128MB	8MB-70 exp to 64MB	8MB-70 exp to 32MB	8MB-70 exp to 64MB	8MB-70 EXP TO 32	8MB-70 EXP TO 128MB
BIOS	AMI	PHOENIX	AMI	AMI	AMI	AMI
Exp. Slots	2 VESA, 5 ISA	2 VESA, 6 ISA	2 VESA, 5 ISA	2 VESA, 6 ISA	2 VESA, 5 ISA	2 VESA, 6 EISA
Floppy Drives	1.2, 1.44 Teac Drives	Same	Same	Same	Same	Same
HFC/IO	32 bit orchid VLB	32 bit orchid VLB	32 bit orchid VLB	32 bit orchid VLB	32 bit mustang VLB	Promise w/2MB Cache
Case,230 UL	Med Tower 230 PS	Same	Same	Same	Same	Same
Keyboard	Keytronic/Maxi Switch	Same	Same	Same	Same	Same
Video Card	DIAMOND-VIPER	ATI-ULTRA PRO	ORCHID CELSIUS 9000	#9 LEVEL 11	SPIDER BLACK WIDOW	SPIDER BLACK WIDOW
Spc. Features	2MB VRAM 1280X1024X256Clr 74Hz NI 1024x768x66kClr, 76Hz NI	2MB VRAM 1280X1024X16Clr 74Hz NI Same	1MB VRAM Same	2MB RAM Virtual rsltn upto 2048x1024 1024x768x66KClr, 100Hz NI	1MB DRAM 1280x1024 16clr 60Hz NI 1024x768 256clr 72Hz NI	1MB DRAM 1280x1024 16clr 60Hz NI 1024x768 256clr 72Hz NI,
32bit Proc	WEITEK P9000	MACH32	WEITEK P9000	S3 928 GUI Accelerator	S386C805	S386C805
Video Mnfr #	408-736-2000	416-756-0711	510-683-0300	617-674-0009	408-956-1231	408-956-1231
Price	$2,732	$1,825	$1,467	$1,865	$1,349	$1,739

These Workstations Do Not Include Monitors & Hard Drives

* PC magazine 2.5

**Intel P24T Socket

Add Hard Drives, Monitors, Multi Media Components, And other peripherals as per your need. [Look at our other pages for specs and prices.]

MICRO MARKETPLACE

(408) PCS-FOR-U ASA COMPUTERS 1-800-REAL-PCs

LOCAL BUS

MOTHERBOARDS

(Many of our new M/Bs have Pentium Socket)

Mustang 486SX-25no cache....$185
IBM Alaris 486SLC2-66, 64K.....$288
Mustang T486-33/50/66 W/256K&P24T SOCKET $425/573/626
Mustang F 486-33/50/66 W/256K&P24t $386/534/587
Pegasus M vlb Eisa/Vesa/Isa P24T ready.....
...486-33/50/66.w/256K....$545/695/749
ORCHID 486-33/50/66-256K. ... $463/609/759
Micronix 486-33/50/66 P24T.....$689/839/889
AMI Super Voyager 486-33/50/66 w/256k...
with P24T socket $696/846/903
AMI Enterprise IV 486-33/50/66 w/256k....
with P24T socket..Eisa/Vesa..$789/935/995
Capricorn T-P5 pentium60MHz512K..... $1895
Sagitara H-P5 pentium60MHz PCI 512K... $2595
(currently we can offer only 15 days warranty on Pentium CPUs)

CONTROLLERS

Mustang IDE/IO.....$39
ORCHID IDE/IO vlb.....$63
DTC 2272 VLB IDE / IO wo/Game.....$60
DTC 2270 VLB 8.3MB/sec IDE / IO.....$79
DTC VLB 3270 SCSI.....$120
Promise DC-4030 VLB 4HD/2FD.....$129
Forex Bus-Master VESA,50Hz.....$204
BusLogic BT445S VLB Fast SCSI-II.....$287
Mustang IDE/IO Cach 4-16MB 15.6mb/sec....$129
UltraStor SCSI 34F, 32k cache..10mb/sec....$257
UltraStor SCSI II 34F, 32k cache Kit.....$316
AMI SCSI II VLB CACHING 4-16MB dos/os2.....**$479**
ADAPTEC VLB 2842 SCSI II.....$298

GRAPHIC ADAPTERS

(wm = winmark ver2.5)

DIAMOND Stealth 24vlb S3-805.1mb dram....$164
DIAMOND Stealth pro 1/2MB/ram,36wm....$215/309
DIAMOND Viper 1/2MB,9000,50wm.....$296/382
DIAMOND VIPER 2MB PCI.....$429
ORCHID Fahrenheit S3-805,1/2MB.....$149/194
ORCHID Celsius 1MB.....$200
ORCHID P9000 2MB.....$335
Spider 32 VLB 1MB/2MB,20 WM.....$93/139
Spider 32 VLB Plus 1MB.....$107
Spider Blk Widow 1/2MB 54 WM.....$196/269
Hercules Dynamite Pro 1/2MB..$169/215
HERCULES GRAPH. PRO 1/2MB....$265/405
ATI Ultra Pro, 1/2MB, 26wm.....$296/353
MustangVLBCirrus logic1/2MB.....$86/123

NOTEBOOKS

ESCORT

386SL/25,80MB,2MB-CLR.....$1760
486SLC/33,80MB,HDD,2MB.....$1395

BONDWELL

486SLC/25, 80MB, HD, 4MB,F/M.....$1289
486SLC/25, 130MB, 4MB,F/M.....$1395
486SLC/33, 130MB, HD, 4MB,F/M.....$1449

TWINHEAD

486 SLC/33,130,4MB,MONO,Subnote.....$1693
486 DX/33,130MB,4MB, ACTIVE COLOR,SLMNOTE $3649

LEADING EDGE

386 SXL-25,4MB, 80MB.....$1149
386 SL-25, 2MB, 80MB, COLOR.....$1980

HALIKAN

486DX/33,200MB,4MB,Passive Color.....$2959

ARM 6500 SERIES

486DX/33,120MB,4MB,PCMCIA, DUAL SCAN COLOR,WITH CARRYING CASE AND DOS 6.....**$2749**

AVANTI

486SLC,120,4MB,96/48 F/M PAS. COLOR.....**$2199**

Call for high end notebooks and notebook accessories.....

MOTHERBOARDS

(Many MB,s have Pentium Socket, See Local Bus Section)

286-12/20.....$39/55
386SX-33/40.....$65/69
Stallion 386DX-40 w/64k Cache.....$105
Stallion 486SLC-25 Cyrix.....$109
Stallion 486SX25.....$139
Stallion 486DLC-33/40 w/64K.....$135/144
Stallion 486SX33 64k.....$192
Stallion 486DX-33 with 64/256k.....$363/378
Stallion 486DX-50/66 w/256k.....$523/575
Stallion EISA 486DX-33/50 w/256k.....$445/595
Stallion EISA 486DX2-66 w/256.....$649
Call for pricing of M/Bs w/o CPU

CONTROLLERS

IDE 2FD-2HD/4FD-2HD.....$12/26
IDE w/ 2SPG..gen.....$16
IDE Caching Ultrastor 15C (upto 8MB).....$195
IDE Caching Promise DC2002 FD/4HD.....$112
IDE Caching Promise DC2032 2FD/4HD,IO..$149
IDE EISA DTC/HFC RLL Card.....$135/20**
Kouw 531 4Port Serial wo/w16C550.....$69/109
Kouwell 2spg 16C550.....$45

SCSI

Future Domain Comp.....$52
Trantor SCSI Adapter.....$67
Future Domain TMC1680 SCSI II C/K...$165/245
DTC3292K..7HD&4FD.....$349
DTC3290AS 7HD&4FD Caching.....$486
ADAP 1522 16BIT Card/Kit.....$79/142
ADAP 1542C Card/Kit.....$199/245
ADAP 1542C+ Kit.....$310
ADAP 2742 EISA Fast SCSI2 C/K.....$319/359
ALWAYS IN2000/IN2000-Pro SCSI1.....$179/225
HFC Forex VLB SCSI Card.....$184**
HFC Bus Logic BT747S.....$266**
BusLogic BT747S EISA Fast SCSI2 Kit....$395
Ulter24F EISA SCSI HD/FD.....$365
Promise DC2040 Caching(upto 16MB).....$215
AMI EISA SCSI II CACHING4-16MB DOS/OS2/NOVEL....**$499**
DPT Smart CachePlus+EISA SCSI.....$427
Trantor348 Parallel Port to SCSI.....$179

ESDI

Mylex DCE EISA SCSI Caching Ctlr.....$542
DTC.....$127
Ultra 12C 1/4MB.....$370
Ultra 22F Caching EISA.....$340

ADAPTERS

(See Local Bus and CAD Sections too)

MGP.....$12
Color Card.....$23

VGA/SVGA

VGA 256K.....$28
Trident 512K/1MB.....$38/59
Tseng 1MB.....$78
Mustang 1MB Window Accel.....$63
Diamond Speedstar Pro.....$139
Diamond Stealth 24.....$159
Fahrenheit Plus wo/w VA.....$165/219
Hercules Graphite 1/2MB.....$265/$405
Hercules Dynamite Pro1/2MB1280x....$169/215
AMI Fast View w/2MB Weitek P9000.....$490
AMI Fast View EISA VGA Graphics w/1MB...Scall
ATI Ultra Grpx 1MB w/Mouse.....$239
ATI Ultra Plus w1/2MB.....$219/245
ATI Ultra Pro w1/2MB.....$329/365
Genoa 7900 w/1MB.....$99**
Genoa 8560 w/ 1MB.....$199**
Genoa 6200.....$39**

MONITORS

MONO

Mono 12".....$78
Mono 14"....amber/white.....$89
Mono 9" VGA.....$125
Mono 14" SVGA 1024 x 768.....$112

VGA/SVGA

VGA 13" .28 Color.refurb..1yr...$160
VGA 14" 640 x 480, .51.....$173
SVGA 14" 1024x768 .39.....$192
SVGA 14" 1024 x 768 .28 Int.....$227
CTX Autoswitch 1024x .28 Int.....$252
SVGA 14" 1024x768 .28 NonInt.....$251
Black SVGA 1024x .28 I/NI.....$279/320
CTX 14"1024x .28 Hitachi NonInt...$279
Viewsonic V6E 14", 1024 .28 NI.....$323
Viewsonic 15, 1280 .28 NI.....$530
Samsung15" NI Flat .28dpi 72 Hz.....$449
Sampo KDM1566 15"1024.28 NI.....$439
Royal 17" .28 1024.....$665
Mitac 17" .31dpi 1024 72Hz NI.....$475
Sampo 1466 14" .28.....$315/355MPRII
Sampo 1566 15" .28.....$385/.479MPRII
Sampo 1567 15",28,MPRII,microp.....$485
Sampo KDM1767 17" .28.....$725
Sampo 1777 17" .28 Microp.....**$835**
Sampo 2055 20" .31 .....$1049
Maganavox20" 1280 x 1024 NI.....$1250
See Many High-End Monitors in the Engineering/CAD Section.

CASES/PS

Baby Desk/Mini Tower w/ PS.....$47
Medium Tower.....$75
Full Tower/Big Tower- 300P/S.....$89/169
Rack Mount W/PS.....$259
File Server w/ 400W PS, 3 Fans.....
.....12F/HDD, black/beige.....$439

DIAMOND (Black/Beige)

Baby Desk/Tower w/PS.....$74
Medium Tower Reg/Big w/PS.....$89/108
Full Tower w /PS.....$119
(FOR BLACK ADD $5)
External HDD Cases
1HH...65W.....$89
1FH/2HH...65W.....$110
2FH/3HH...65W.....$137
SCSI Cables Int/Ext.....$9/10

Power Supplies

PS2 200/300W.....$40/95
Full Tower 230W.....$58
Full Tower 300/400.....$80/154

KEYBOARDS, MICE

Spill Resistant/Mitsumi.....$20/17
MaxiSwitch / M-Click.....$29/34
KeyTronic/Black 101.....$32/39
Small 11.5" 84 Keys.....$42
Russian Keyboard.....$28
Japanese Keyboard, 106 Keys.....$70
Fujitsu 3400.....$46
SEJIN J-Mouse(mouse under 'J' Key)..$89
Also line of European/Arabic KBs
S-Mouse/TBall.....$9/21
LogiTech wht box Ser/Bus.....$33/45
LogiTech MouseMan Ser/Par.....$64
Logitech Mouseman Cordless.....$77**
Mouse Trackman Portable.....$66**
Microsoft white box S/B.....$39/69
MS Original S/B V. 2.0.....$57/80
BLACK SERIAL.....$19

HARD DRIVES

Floppy Drives

YE Data 1.2/1.44MB.....$45/39
Teac 1.2/1.44MB.....$47/42
Teac Dual Floppy 1.2 + 1.44 MB.....$116
Teac 2.88 MB.....$89
Toshiba 2.88MB.....$58
(w/cont! & 2.88 floppy disk).....$94

FLOPTICALS

IOMEGA 21MB w/1 Disk, Cable.....$419
YE-DATA 21MB w/5 Disks.....$392

2.5" NOTEBOOK DRIVES

QUN 120 /160MB 16msec.....$245/419

NOTEBOOKS

IDE

ST 125-1 20MB**.....$46**
CON 80/120MB 19 msec.....$151/179
QUN 85/127MB 17 msec.....$151/179
MXT1318msec.....$172
CON/QUN 170MB 13/17 msec.....$208/186
QUN 240MB/MXT 245MB Fast/15 msec..$241/227
CON/WD250MB 14msec.....$217/222
WD 340/MXT 340MB 12/14 msec.....$270/292
CON/FUJ 340MB** 13ms.....$260/290**
WD425MB 13msec.....$353
CON 510MB 12ms.....$390
FUJ 520MB 11 msec 5yr.....$560
MAXTOR 540MB.....$650
QUN 525MB Fast.....$538
CON/MXT 540MB 12/8msec.....$525/660
MICROPOLIS 1.05/1.75GB 10ms.....$1025/1325

SCSI - 3.5"

CON 170MB 17msec.....$193
CON 212MB 12 msec.....$280
MXT 245/QUN 240MB Fast.....$220/240
MXT 340MB 15 msec.....$330
FUJ 520/QUN 525MB 11 msec 5 yr.....$593/550
MXT 540MB/CON 540 8/12 msec.....$650/537
TOSH 877MB/1.2GB 12 msec.....$672/870
MXT 1.2GB 8 msec Magix.....$1272
MICROPOLIS 1.5/1.75GB 10ms.....$1025/1325
HP1.2GB 10.5msec.....$1040
ST/FUJ 1.2GB 10 msec.....$860
QUN 1.0/1.2GB <10 msec.....$920/1036
DEC 1.6GB 9.5 msec.....$1160
CON 1.67GB 10.5msec.....$1015
ST 2.1GB 9 msec.....$1775
ST 41200N.....$917****

SCSI - 5.25"

HP 1.7GB/2.0GB 11.5 msec.....$1830/2030
ST 1.7GB 11 msec Elite I.....$1715
Fuj 2.0GB/2.4 11/12 msec.....$1700/1646
ST 2.2GB/2.5GB 13 ms/11 ms EliteII....$1569/1980
ST 3.5GB 11msec.....$2212

SUPER HARD DRIVES

Seagate Barracuda 3.5" HH (8 msec .....avg. seek, 4.17 msec lat., 7200 RPM)
Barracuda 1.7/2.5 GB.....$1925/2100
EXTERNAL HRD. DRV. SUBSYSTEM
FOR EXT. HARD DRIVE, ADD $99
FLASH CARD HARD DRIVE
ST 75A 1.8" 5.2MB IDE<1.5MS.....$484
ST710A/720A 1.8" 10.4MB/20.9MB.....$888/1177
ST740A 1.8" 41.9MB IDE<1.5ms.....$2068

TAPE DRIVES

(<500MB TAPE-BACKUPs)

Colorado 120 / 250MB.....$99.95/167
Colorado KE-10 External kit with card.....$105
Colorado External port card.....$37
FC-10 high perf card.....$85
Colorado Trakker 120 / 250MB.....$295 / 340
Archive 250MB w/QIC,15MB/min,1"H.....$150
Archive Viper 250MB hh SCSI I/E.....$349/449

(>500MB for PC / SERVER)

Viper 525MB hh SCSI Int/Ext 6MB/sec....$475/575
ARCHIVE 4320 NT 2.0GB DAT DDS 3.5".....$875
ARCHIVE 4324NT 4.0GB TURBO DAT DDS-DC 3.5".....$1075
SONY SDT2000 2.0GB DAT DDS 3.5".....$870
SONY SDT40004.0GB DAT DDS DC 3.5".....$979
SONY SDT50004.0GB DAT DDS -2 3.5".....$1245
Colorado 2.4 / 4.0 GB Qic 5.25.....$940/1499
HP 2GB DAT 4mm Int/Ext.....$989/1075
HP 4-8GB DAT 4mm Int/Ext.....$1128/1179
WANGDAT 3100 2.0GB 4mm Int/Ext.....$935/1045
WANGDAT 3200 4-8GB 4mm Int/Ext.....$1030/1140
EXABYTE 750MB HH SCSI MINI Int/Ext....$692/860
EXABYTE 8205 5GB HH 2yrs Int/Ext.....$1415/1679
EXABYTE 8505 10GB HH 2yrs Int/Ext....$2239/2505
...(above drives require special contr & soft drivers)

TAPE BACKUP DRIVERS

Novaback for DOS//OS/2.....$89
Novanet Multiuser NLM.....$439
SYTOS for DOS/NOVELL, GEN.....$120
ARCserve Solo.....$185
CONNER-EXEC NLM BACKUP SW.....$445

ERASABLE(Rewritable)

TEAC 128MB 3.5" Int/Ext.....$749/859
IBM 127MB 3.5" Int/Ext.....$833/943
HP 1.3GB 5.25"SCSI-2 EXT.....$2799
MAXOPTIC 1GB Tahiti IIM 35msec.....$2300

REMOVABLE DRIVES

Syquest 44MB Dr.....$249
.....W/Ext Case, Cables, Cart, Cont.....$379
Syquest 88/105MB Dr.....$308/469
Bernoulli 44/99 Insider.....$907/840
IDE: Upto 1GB removable kits.....$39
SCSI: Upto 1GB Removable Kits.....$138

STORAGE MEDIA

Floppy 1.44Bulk.....$.79
Floppy 1.2 Bulk.....$.49
Tape DC2000XL.....$18
Tape DC2120 250MB..Formatted.....$18.5
Tape DC 6250 5.25", 1/4" Cartridge.....$27
Tape DC 6525 5.25", 1/4" Cartridge.....$31
TK50 for DECs.....$26
DT-2400 2.4GB .25" Cartridge.....$54
DT-4000 4.0 GB .25" Cartridge.....$57
DAT 4mm 60/90 mtr.....$19/29
DAT 8mm 54/112 mtr.....$18/24
Syquest 44/88/105MB Cart.....$62/94/85
Bernoulli 44MB/90MB 3Pk.....$315/415

OPTICAL CARTRIDGES

Mag neto-Optical 650MB Cartridge.....$159
600MB/650MB 5.25".....$109/149
128MB 3.5".....$59
10024 B/S WORM 5.25".....$109

SOFTWARE

SYSTEM UTILITIES & PROGRAMMING

Norton Utilities v7.0/upg/commander.....$108/94/43
Norton Desktop for Windows v2.2/2.0.....$104/106**
pcANYWHERE4.5/1.0 for Windows.....$114/118
PC Tools 8.0a/ for Windows 1.0.....$114/97
After Dark 2.0 for Windows.....$25
386 MAX 7.0/QEMM v7.0.....$59/69
Stacker 3.1 DOS & Windows/OS.....$97/123
MS DOS 6.0/upgrade to v6.2.....$48/47
MS Windows 3.1/for Workgroups.....$63/47
MS Windows for Workgroups/ 5 User.....$67/253
MS Windows NT/upgrade.....$311/263
IBM OS/2 2.1/ upgrade.....$147/99
DESQview /X v1.2.....$163
Laplink V for Windows.....$103/53

GRAPHICS & DESIGN

CorelDRAW! 4.0/CD/ upg/CD.....$383/361/$213/197
CorelDRAW! 3.0/CD.....$127
Pagemaker 5.0 for Windows.....$495
Aldus FreeHand 3.1/Photostyler 2.0.....$375/356
QuarkXPress for Windows.....$565
HiJack Pro 2.1/2.0 for Windows.....$97/87
Harward Graphics 2.0/upg for Win.....$289/86
Picture Publisher for Windows 4.0.....$395/195
Adobe Photoshop 2.5 for Windows.....$541
FileMaker Pro 2.1.....$127
Micrografix Designer v4.0/upg.....$435/197
FrameMaker for Windows/upg.....$572/193
PerForm PRO Plus by Delrina.....$242

BUSINESS APPLICATIONS

MS Office 3.0/professional/upg/upg...$462/580/352/495
MS Word for Windows 2.0c/upg.....$281/93
MS Works 3.0/Win v2.0/upg.....$76/123/79
MS Excel 4.0 for Windows/upg.....$284/108
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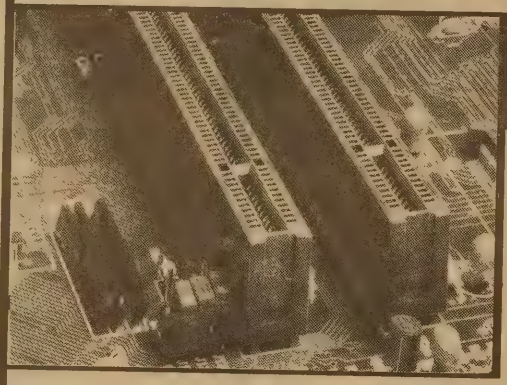

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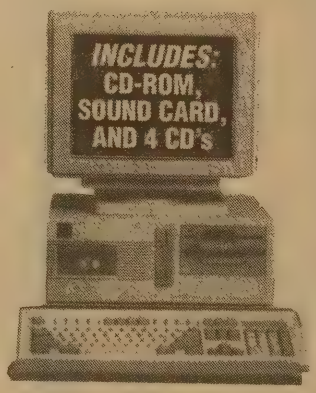

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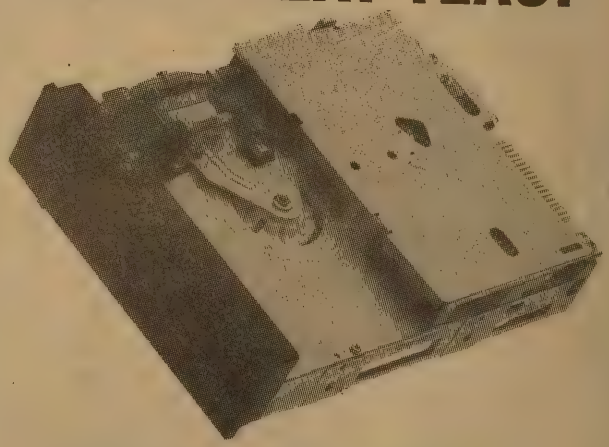

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Sales, Service, Training, Support

Networking Direct Corporation — South San Francisco
Sales, Service, Training, Support

#9 Graphics Card

Jemini Electronics — Santa Clara
Sales, Training

Acer

CHICOTEC Computer — San Jose
Sales, Service, Support

Computer Outlet — Morgan Hill
Sales, Service

Computer Outlet — San Jose
Sales, Service

KIS Computer Center — Milpitas
Sales, Service, Support

LAN Solutions — Burlingame
Sales, Support

SF Micro Inc. — San Francisco
Sales, Support

V88 Systems, Inc. — Milpitas
Sales, Service, Training, Support

Acropolis

TGF Technology Sales, Inc. — Santa Clara
Sales

Adler

McTek Systems, Inc. — Berkeley
Sales, Service, Training, Support

Adtran

Proven Technology Inc. — San Jose
Sales, Support

Agfa Matrix

Adolph Gasser, Inc. — San Francisco
Sales

McLain Imaging — San Jose
Sales, Training, Support

Alps

Technoland — Santa Clara
Sales, Service

ALR

A and M Technologies — San Francisco
Sales, Support

Advanced Computer Services — San Francisco
Sales, Service, Support

Advanced Computer Systems — Sunnyvale
Sales, Service, Support

Advanced Computer Systems — Walnut Creek
Sales, Service, Support

RamComp — San Francisco
Sales, Service, Support

Tital Systems Inc. — San Francisco
Sales, Service, Training, Support

Altima

Paradine Computer Systems — Concord
Sales, Support

AMI

New River — Fremont
Sales, Service, Training, Support

New River — Palo Alto
Sales, Service, Training, Support

New River — Santa Clara
Sales, Service, Training, Support

New River — South San Francisco
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New River — Sunnyvale
Sales, Service, Training, Support

Systems Unlimited — Walnut Creek
Sales, Service, Support

USM Distributors/US Mach Systems — Fremont
Sales, Service, Training, Support

USM Distributors/US Mach Systems — Palo Alto
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USM Distributors/US Mach Systems — Santa Clara
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USM Distributors/US Mach Systems — South San Francisco
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Sales, Service, Training, Support

Amiga

Computer Spectrum of Burlingame — Burlingame
Sales, Service, Training, Support

Media Tree — San Francisco
Sales, Service, Training, Support

Winners Circle — Berkeley
Sales, Service, Training, Support

AmiLink

Media Tree — San Francisco
Sales, Support

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Sales

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Sales, Service, Support

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Sales, Training, Support

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Computerland of Serramonte — South San Francisco
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Computer Selection — San Francisco
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Computer Selection — Sunnyvale
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Computer Selection — Walnut Creek
Sales, Service

CompuTown — Mountain View
Sales, Service, Training, Support

CompuTown — Pleasant Hill
Sales, Service, Training, Support

CompuTown — San Francisco
Sales, Service, Training, Support

CompuTown — San Jose
Sales, Service, Training, Support

Consolidated Business Systems — Santa Clara
Sales

DataWest Computer System — Fremont
Sales, Service, Training, Support

Fry's Electronics, Inc. — Campbell
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Fry's Electronics, Inc. — Fremont
Sales, Service, Support

Fry's Electronics, Inc. — Palo Alto
Sales, Service

Fry's Electronics, Inc. — Sunnyvale
Sales, Service, Support

Gigabytes — Fremont
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Whole Earth Access — San Francisco
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Whole Earth Access — San Mateo
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Sales, Service, Training, Support

Whole Earth Access Corporate Sales — Berkeley
Sales, Service, Training, Support

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Sysper Technologies — Fremont
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CADesign, etc. — Redwood City
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CADesign, etc. — Redwood City
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Compu-Data — San Francisco
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Darcom Computer Systems — Foster City
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Discount Computer Products — Hayward
Sales, Service

Fastlink Network Product — South San Francisco
Sales

Hitron Systems — Santa Clara
Sales

Noe Valley Computers — San Francisco
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PARS International Computer — Hayward
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World-Net MicroSystems — Fremont
Sales, Service, Support

ASCO NOTEBOOKS
BCS*A — Novato
Sales, Support

ASI
Berlin Technology — San Jose
Sales, Service

Laitron Inc. — Foster City
Sales

Laitron Inc. — Milpitas
Sales

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3F Computers Inc. — Fremont
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Computer Werx — San Jose
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CompuTown — Mountain View
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CompuTown — Pleasant Hill
Sales, Service, Training, Support

CompuTown — San Francisco
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CompuTown — San Jose
Sales, Service, Training, Support

DataWest Computer System — Fremont
Sales, Service, Training, Support

EFI's Discount Computer — Lafayette
Sales, Service, Support

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Sales

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Sales

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CompuTown — Pleasant Hill
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CompuTown — San Jose
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RC Labs, Inc. — Sunnyvale
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SF State University Downtown Center — San Francisco
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MicroTech International — Fremont
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R-Computer — Pleasant Hill
Sales, Support

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3F Computers Inc. — Fremont
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B&C Computer Visions — Santa Clara
Sales

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Computer Link — Berkeley
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Sales, Service

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Sales, Training, Support

Libre Service Computer Inc. — San Francisco
Sales, Training, Support

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Sales, Support

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Friendly Software Store — San Carlos
Sales

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American Lasertek — Concord
Sales, Service, Support

Mercury Computer — Oakland
Sales, Support

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Sales, Service, Support

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Core Microsystems — San Jose
Sales, Service, Training, Support

Jemini Electronics — Santa Clara
Sales

CANON
Access Computer Technologies — Santa Clara
Sales, Service

American Lasertek — Concord
Sales, Service, Support

Computer Outlet — Morgan Hill
Sales

Computer Outlet — San Jose
Sales

Palo Alto Micro Computer — Palo Alto
Sales

Technoland — Santa Clara
Sales, Service

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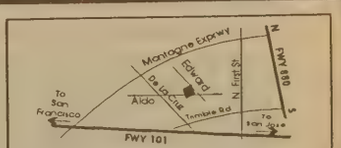

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Sales

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Sales

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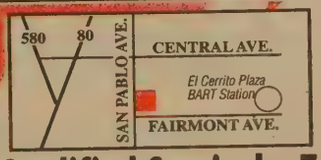

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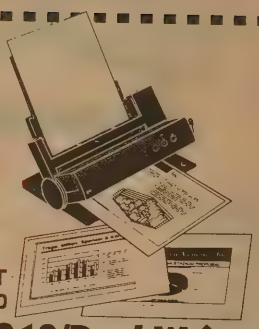

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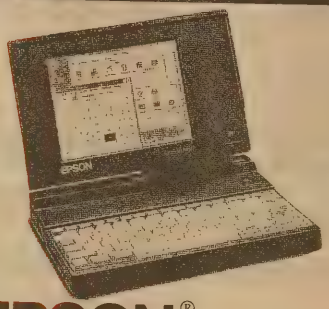

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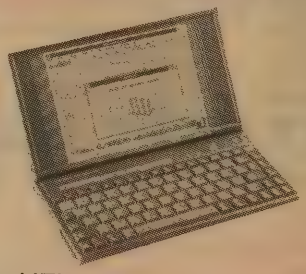

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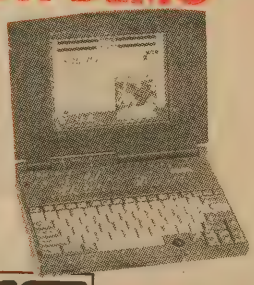

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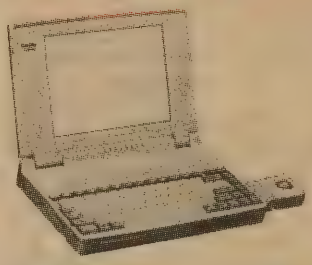

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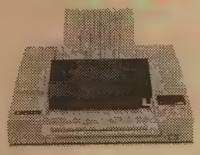

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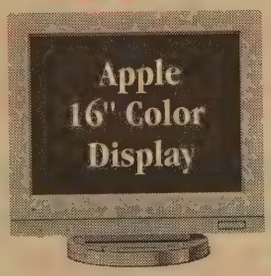

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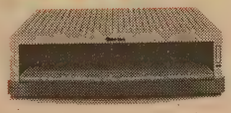

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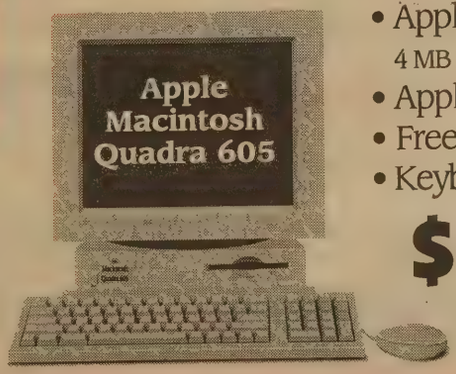

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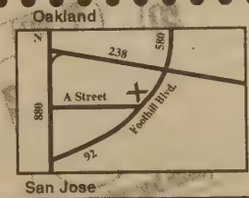

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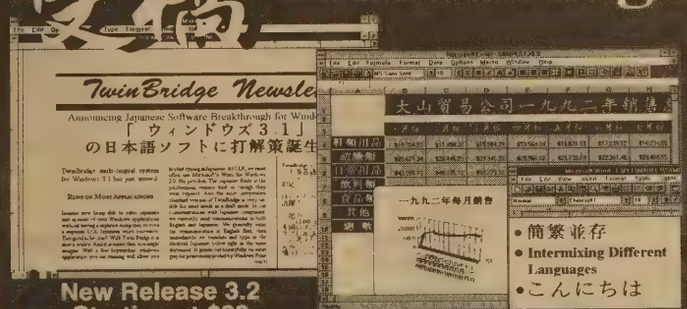

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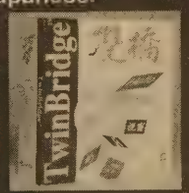

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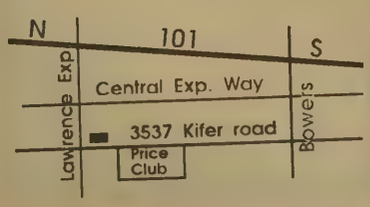

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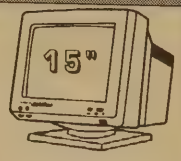

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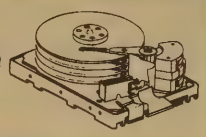

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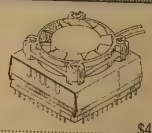

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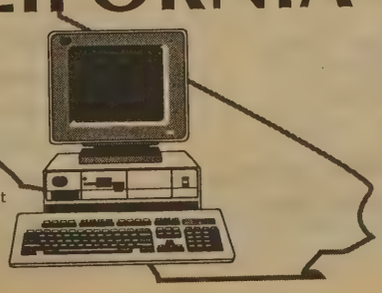

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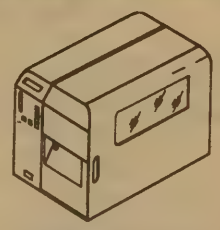

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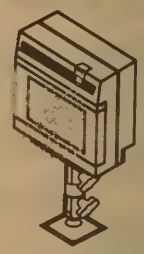

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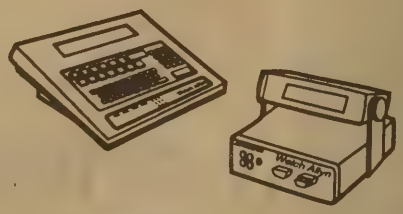

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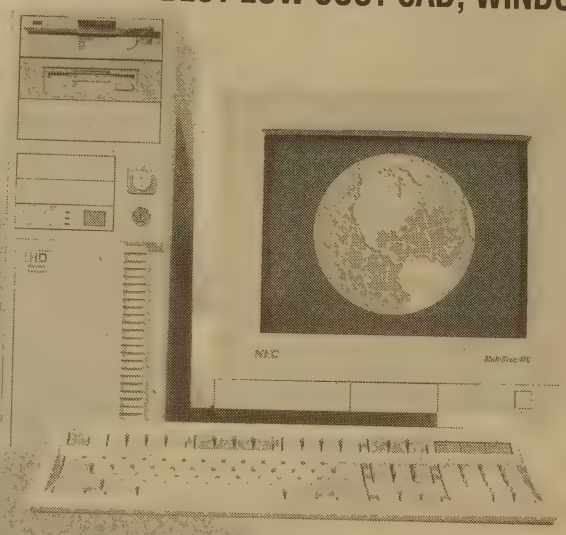

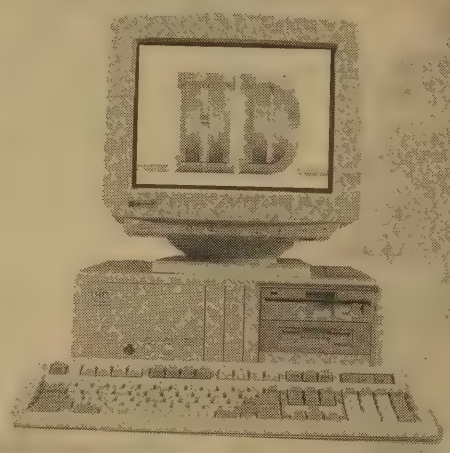

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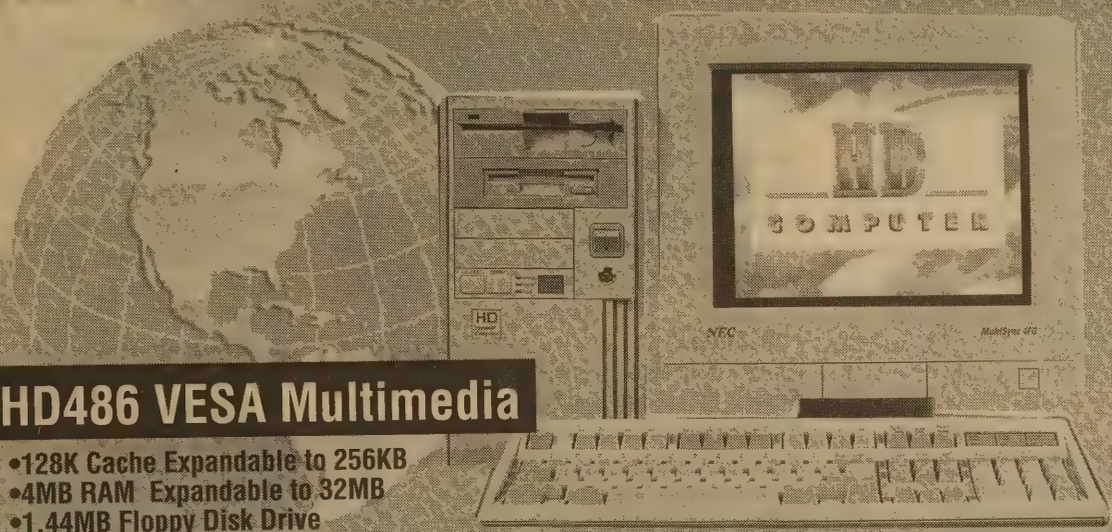

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- 32Bit EISA SCSI Controller
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- 101-key Enhanced Keyboard
- Mid-Tower case w/ 230W Power supply
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- CD ROM Drive
- 130MB IDE Hard Disk
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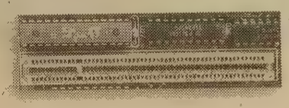

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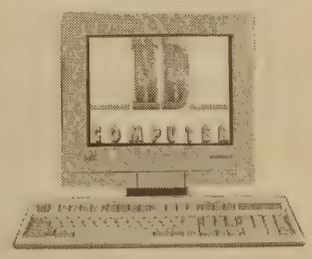

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The observant reader will have noticed over the years that MicroTimes is far from monolithic in its viewpoint. One writer's garbage is another writer's gold—just like our readers, our contributors seem to have a wide range of experience with various products and services. We think it's important to reflect that range of opinion, taste, and hard-won lessons at Murphy's Law School.

Every year we invite our estimable authors to sound off about their past twelve months' experience. Every year we get a chaotic collection of responses, ranging from enthusiastic product endorsements to impassioned screeds on the indignities meted out by a misguided industry.

We hope you find this year's Soapbox entertaining and enlightening. You'll find distinct differences of opinion about specific products here, just as you will down at the user group. If, as is not unlikely, your experience of a particular product or service differs from one of our writers', please let us hear from you.

—Eds.

1993

Kathleen Creighton

I recently spent two days and multiple toll calls trying to log on to system ABC. See, ABC changed host machines, and some people got back online just fine, but not me. It took a little bit of fiddling with my (uncomplicated) account and I was finally able to get through.

Except that I couldn't read my email. I couldn't use "send," nor could I read Usenet. To add insult to injury, my telnet session froze every time I tried to enter a response. But that happened at 1:30 am, and there hadn't been any support staff in the ABC office since 5 pm. Why should there be? It's only a 7-day-week, 24-hour-day operation. Surely we can all conform and have our problems during business hours.

This complaint is with system ABC, but on any day of the week it can be any other service. There is no other industry I know of with such universally dreadful customer service. In fact, because customer service online is so bad, I don't even include my assessment of a service's customer service in my reviews. It wouldn't be fair. They are all equally terrible, and if I get good assistance one day, I can be assured of a horrible response the next, even from the same online service.

Now, I'm not without sympathy—customer service of any kind has to be a lousy job. I think about all the demands placed on customer service personnel, and I think sometimes their attitudes, which range from lackadaisical to downright hostile, are justified. But like everyone else, I think customer service people should be nice to *me*. I don't usually start right off by yelling, even when the simple question I've asked is answered with a completely inappropriate response, such as the day I called XYZ service and asked for the person in charge of media accounts.

"Ma'am, this is XYZ service."

"I know that. I'd like to speak to the person in charge of media accounts."

"Ma'am, this is XYZ service."

"Please get me a supervisor."

Fortunately for me, the supervisor was able to speak without a script in front of her, and she immediately gave me the information I wanted.

I tried the online customer assistance on DEF service. It seems that a posting I had made had been deleted, along with some others that I had noticed. When I took it up with customer assistance, I was told that wasn't supposed to happen. There was no offer to check into the circumstances of the missing postings, or to pass the information along to someone else who would look into it. The response was simply, "That's not supposed to happen." I had already figured out the obvious. Later that day, the postings were restored with no explanation, and to this day I have no idea what happened.

Do I get any better assistance because I write about online services? Usually people don't know that I'm a writer, but even when they do, it doesn't make any difference. I had contacted an executive

Edition

MicroTimes Writers' Soapbox Awards

of JKL service for an interview and he asked me to set up an appointment with their PR person. She subsequently asked me for a list of times and dates I could call for a phone interview, which I provided. I never heard back from her. The sales department of another service dragged its feet for almost two months before getting information to me so I could log on, despite my persistent email to them. I finally had to enlist the aid of someone well known to them who also started an email campaign on my behalf.

There's one service that's famous for its inappropriate responses via email. Their email is regularly posted in public for the entertainment of all. One could write to them complaining about problems with a local access telephone number and receive a reply about hours of operation. In fact, when I had problems with their local node—the modem was not connecting—instead of someone offering to look into the problem, they asked me for a long list of information about the equipment *I* was using.

And now there's a whole new class of bad service—from Internet providers (IPs). It's amazing what people will put up with, simply because the technology seems so beyond what most users understand. IPs are also living on the good graces of a hobbyist mentality that doesn't demand good service, but that won't last long. Users are paying money for service—it's not free—and should demand it. If the IPs can't provide good customer service for what they're charging every month, they should raise their prices. Some of the relatively inexpensive IPs, mostly one-person organizations, are quickly getting a reputation for not being reliable. The advantages of paying $10/month for Internet access pale when the IP is offline for a week.

Many of us have at least as much money invested every month online as we have in our monthly cable bills. Yet while we typically view cable companies with scorn and demand far better service from our cable companies than we get, we let the online services off the hook when it comes to customer service. It's ironic when we can point to the cable industry as an example of service for which the online industry should strive. Perhaps that underscores just how bad the situation is.

There are individuals at all of the services who are pleasant and capable of providing the necessary support, and who might even go out of their way occasionally to help out. These individuals deserve praise and I salute them. But their employers need to understand the value of good customer service, and perhaps we as users ought to start demanding it.

Mary Eisenhart

Once again, I have kind words for the software staples of my existence, **MacWrite** (now out in the long-deferred Pro version) and **FileMaker Pro 2.0**, both from Claris, and **MicroPhone** from Software Ventures. They keep getting better (and, alas, bigger, but nothing's perfect and disk prices do keep falling). **MacInTax**, while not a part of my daily life, does make the inevitable day of reckoning with the IRS a lot less painful. And Aladdin's **StuffIt Deluxe 3.0** has become indispensable for compressing and decompressing large files in a variety of Mac, PC, and other formats.

On the slightly sillier side, I retain a great fondness for Brøderbund's **Kid Pix** and **Kid Pix Companion**, which set an impressive standard for making it easy to have good creative fun with your computer, whether you're a kid or an adult.

In a similar vein, Berkeley Systems keeps adding to its collection of cool screen savers. This year, the **Disney** version of **After Dark** proved a worthy successor to last year's **Star Trek** version, though it will probably be a matter of personal preference whether you want your computer taken over by Spock or Uncle Scrooge.

Another benefit of After Dark is the enthusiasm with which third-party designers create plug-in modules for it. My favorite this year is **Patchwork** ($20 from MetaTheory, (510)540-0822, *MetaTheory @aol.com*), which has various configuration options and draws patchwork-quilt patterns on your screen (and prints screen dumps of the ones you like for future reference).

And now for the **1993 This Is Progress? Award.**

Longtime readers will recall that I used to be quite fond of **KanjiTalk 6.0.4** from Apple. Ever since the PowerBook 170 came into my life a couple of years ago, I haven't been able to run KanjiTalk—which was, indeed, overkill for someone in the process of constantly forgetting the most basic kana, but which did in fact let me put Japanese text in MacWrite pretty easily. (It

should be duly noted that my ability to do this was a bit serendipitous—MacWrite II happened to support this feature, but the text created this way would revert to garbage in, say, US PageMaker.)

KanjiTalk is, of course, now out in a System 7 version, though you'll probably have to find a VAR or distributor specializing in such products to actually buy a copy. What Apple's touting as a better solution for those of us using English-language Macs is the **Japanese Language Kit**, available for $249 from the Apple Catalog (1-800-795-1000).

The Language Kit, which arrives on over a dozen HD floppies, contains a whole lot of Japanese fonts and System enhancements to make them work. It requires around 20MB of disk space, but is undoubtedly more elegant and user-friendly than Old KT—the bilingual documentation alone is a godsend.

Unfortunately, for what I want, the Language Kit doesn't exactly work. The Apple catalog gushes: "Marvelous tools for the rapidly evolving global economy, Apple Language Kits come with the software, fonts, and instructions you need to easily add foreign languages and characters to your documents. Language Kits let you create everything from bilingual promotional materials to presentations and reports containing non-English characters. You can easily insert Japanese or Chinese text—either alone or blended with English—in letters, presentations, spreadsheets, or other documents."

This sounds real keen. This sounds, in fact, like a rather more elegant and system-wide implementation of what I could do with KanjiTalk 6.0.4—i.e. open my English MacWrite II, change to Japanese input, and enter Japanese text into my English MacWrite document.

Would that this were so. What all the promotional hooha fails to mention—this is the subject of a recent very cranky letter to *Mangajin*, the Japanese language-learning magazine—is that in order for this wonderful capability to kick in, you essentially have to be running the Japanese-language versions of your apps. (The Apple ads promoting JLK are more explicit on this point.) The exception seems to be that if your application supports Apple's WorldScript, you can do what I want to do, but otherwise, what you get in your English-language app (including MacWrite Pro, to the best of my ability to figure this out) is gobbledegook, even if your Japanese-input screen is behaving properly.

The Kit does include Japanese TeachText, which lets you type Japanese and actually get it on-screen. But, being TeachText, it doesn't support such niceties as boldface....

While this is undoubtedly a boon to smart Japanese shoppers who buy their Macs in the US and then need to run the Japanese apps back home in Tokyo, it's not doing a thing for me (or, apparently, for the deeply annoyed *Mangajin* reader whose expectations had corresponded to mine and who had blithely spent his hard-earned bucks for the product).

Initial reports suggest that with rare exceptions, application developers are more interested in selling localized versions than in incorporating WorldScript so you can use all languages in your local product. (Nisus appears to be one of the relatively few word processors that do this, for instance.) Not, of course, that you can walk into your local software emporium (or even the Apple Catalog) and get non-English versions of the software.

I look forward to a barrage of mail telling me the error of my ways. I particularly look forward to the one that goes, "You bozo, if you'd only check this box in the Preferences you can MacWrite all the Kanji your heart desires." I hope it's coming, but so far everything I've read suggests I can't get there from here.

Meanwhile, Power Japanese, the best language-learning software I've seen yet, still hasn't been ported to Mac. While it's arguably worth buying a Windows system for, I'm not prepared to take such a step for one application. Maybe I'll be able to run it with a Houdini board. Maybe I'll have to wait for PowerPC.

Ed Kahn

This year has produced a number of memorable products on the hardware side. Amazingly, three of the products I rate as significant introductions come from Hewlett-Packard. They seem to be in touch with what users want.

1. **Hewlett-Packard's OmniBook 300** sub-notebook computer, designed to run under Windows. This machine is as small as you can get and yet preserve a keyboard that is useful for serious word processing. In addition, you get a bunch of other applications, all from Microsoft, with whom HP developed this machine. The one drawback is that if you intend to do serious work with Excel, the built-in spreadsheet, you will need to increase RAM to 4MB. This machine is a real jewel, but carries a price tag of nearly $2000.

2. **Hewlett-Packard's 100LX.** For the last two years, I have included the predecessors of this palmtop on my list. This new incarnation looks just like the older model, but offers more power, speed, and a conventional display that lets you run applications out of the box. The one serious fault I find is the address book module that will not conveniently let you import your old lists.

3. **Hewlett-Packard** scores again with its first laser printer aimed squarely at the home and small office market. The **LaserJet4L**, priced at not much more than a DeskJet would have cost last year, is the printer for those who want a laser printer and don't need volume output.

4. **Canon** scores big with the introduction of its **NoteJet**, the first laptop computer with a built-in bubble jet printer. This unit costs no more than what a comparable computer and printer would cost and offers a good deal more convenience. It beats any other combination I have seen.

5. **Cyrix** has come to the aid of 386 users who want to upgrade to a 486 without replacing their motherboard. Their **Cx486DRx^2** is a simple chip replacement. You take out your 386 chip with the tool provided and plug in the Cyrix chip, install simple software, and you're in business. This all took me less than fifteen minutes. The upgrade is only available for 386s running at 16, 20, and 25MHz. The bonus is that not only does it convert your system to a 486, but it also doubles its speed. List prices range from $249 to $399 depending upon the speed of your system. Phone 1-800-462-9749 for dealers, or to order.

Software milestones were a lot harder for me to find this year than any year in the past. While there were a zillion new products, none seemed to be of great significance to a large market. Perhaps we have reached a plateau. In any case, I found two products worthy of mention, beyond the numerous upgrades I routinely use to replace older releases of favorite software.

1. The first product that needs mention is a warning rather than a recommendation. **Microsoft DOS 6.0**, while containing a few nice features, has a couple of potentially troubling options. Both Doublespace, the option that lets you double the capacity of your hard drive, and MemMaker, the option that lets you fine tune your system to maximize your memory, present many problems that Microsoft fails to mention. If you upgrade, it is advisable to use these features with great caution and a full backup. It is nearly impossible to back out of Doublespace once it is installed.

2. It is a pleasure to bring **YourWay** to your attention. While it's billed as a scheduler for people using Windows, I find its greatest asset as a phone manager that keeps your address book in order and dials your calls for you. It also lets you insert addresses from your address file into documents like letters you are writing. I have grown to love the product and several of the complaints I found in the older version seem to have been corrected in v4.0, just released. Prisma Software 1-800-437-2685. $69.

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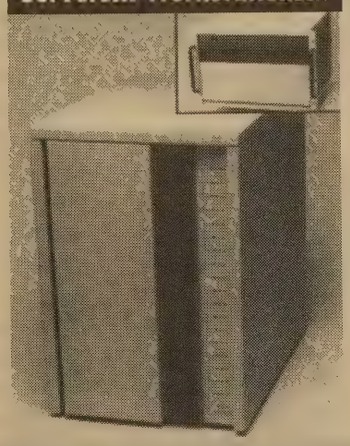

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Woody Liswood

There's been lots of great stuff this year, but I've had it with upgrades that aren't and programs that just don't work. So, let me let off some steam about some turkeys, both software and hardware, and then I'll get to what I like, and why.

Turkeys of 1993

The turkeys start with the **Crosstalk for Windows upgrade.** DCA managed to take what I thought was one of the best communications programs and ruin it. They made a simple, intuitive, friendly interface into one with absurd complications. Besides, after the upgrade, it wouldn't even work properly with my modems.

Also in the disaster upgrade category was **PackRat.** I've used this program for a number of years and considered it to be the best of the PIMs (Personal Information Managers). The upgrade trashed the old PackRat files, so I lost everything. I reloaded from my backup tapes. It did not trash them this time, but crashed almost every ten or so mouse clicks. Off the disk, says I. They never even sent a bug fix, so I finally dumped it completely and switched to Lotus Organizer.

Another turkey was **Doubletools** from Addstor. Now Addstor makes SuperStor, which is a very capable disk compression software. When Doublespace came out with DOS 6, Addstor published Doubletools, an interesting replacement. The only problem, at least on my two computers, was that it did not want to work with QEMM 7, which is my memory manager of choice. They told me they liked Memory Commander better, so I tried Doubletools with Memory Commander, after which it could not use my CD-ROM. So, back to QEMM, and I got Doubletools to work with QEMM, but it still disabled MSCDEX, the Microsoft CD-ROM extensions. After three or four *long* long-distance calls, at my expense, to their tech support folks, they said that "their engineers are looking into the problem." I still haven't heard.

Last on my turkey list was an **80MHz 486 motherboard from Destiny** computers—its claim to fame was that it was "Manufactured by IBM." Now this motherboard shows up, with an SX chip. Eighty megahertz and no math coprocessor—and it is designed for Windows and graphic intensive applications? Well, it has all the ports on board, so I thought I'd give it a whirl. It had a PS/2 mouse port, but did not come with a mouseport cable, and they use a special pinout of only five pins of a ten-pin connector, so nothing worked. They want additional money to get the cable for the mouseport.

I also added a 33MHz math coprocessor, just to give it a chance. When run, it tested out at the same speed as a 50MHz DX chip. What a waste. Now, this clock-doubled CPU chip also has a heat sink glued onto it and a fan glued on top of that. It will probably keep my office heated all winter.

So I complained to them about the speed. I was going to send the board back, but one of their technoids went over the jumpers with me (the documentation had no picture of the motherboard, just pin out lists) and told me that they had sent me a board which was set to 50MHz—just like I tested. So I jumpered it to 80, stuck it in the computer—and Windows locked up unexpectedly at any time.

Took it out. Sent it back.

Last year I said that **WordPerfect** (the word processor) was so broken it couldn't be fixed. Last week I got their new version. I've tried it for about thirty minutes so far, and I still really can't stand it, but it does work better than their earlier versions. As both WordPerfect and Word for Windows copy the really great features from AmiPro, maybe they will both have a chance of surviving.

Good Stuff

I still think that **AmiPro** is the best word processor on the market. At v3.1, it runs rings around any of the competition. **Lotus 1-2-3 for Windows**, release 4, has won my first-place vote as the best of the spreadsheets around.

Lotus now bundles Freelance Graphics, AmiPro, Lotus 1-2-3, Approach, and Lotus Organizer into a single Smart Suite bundle. I think this is one of the best deals around, although Approach still hasn't matched the excellence of the rest of the SmartSuite.

If I had to recommend a single product as the best of 1993, it would be **Lotus SmartSuite.**

One product I can't live without, and neither should you, is called **Clickbook.** This is a Windows printer driver which will turn your laser printer into a booklet printer. It takes your documents and does front and back printing, puts two or more pages on the printed page, and generally lets you do amazing things with your printer. I've used it with AmiPro to produce a 70-page employee handbook on just a few pages, ready to take to the printer to print and bind. I saved all the labor costs of printing each page separately, having the printer photograph and reduce them so that I was getting two pages per letter-size paper, then print them front to back. Clickbook did all the page arranging and printing for me so that the printer only had to make plates and print. In PerFormPro, I had designed a 4-page performance appraisal form. Clickbook printed the entire form on a single letter-size paper. I folded it, and handed it out for use.

CD-ROMs have exploded into my life. Some of the best, in my opinion, are the **Microsoft CDs**—I particularly like their **Dinosaurs** and **Encarta** CD-ROMs. I'm fascinated by the **Cinemania'94 CD-ROM**, which has movie clips and information from all my favorite movies. Lastly, Microsoft's **Stravinsky** and **Mozart** CD-ROMS should be in your collection just to listen to the music and gain a greater understanding of these classic artists.

Loom is still my favorite CD-ROM-based game. **PhoneDisc USA—Business** and **Home** are far and away the best USA databases available.

Windows-based screen savers have made my office into a fun place to be. While I can't live without the **Star Trek** screen saver from **Berkeley Systems**, I recently put their **Disney** product onto the computer. It happens to come with some MIDI files. Now, mermaids sing and swim across my screen. I just love it.

Along with this, I like the **SoundBlaster** and the **Sound Galaxy** boards for adding 16-bit sound to your system.

MS-DOS 6.0 has to be on my hits list. It now integrates a wide variety of products into the basic DOS services. Contrary to what I've read in the press, I have never had a problem with Doublespace, and appreciate the extra space it gives me on my disk.

Along with this, **Space Manager** from Vertisoft, the folks who sold Doublespace to Microsoft, adds some useful functions to Doublespace, the best of which is an even better compression ratio and more space that I get from Microsoft.

Memory is really important to me, and **QEMM 7** and **Memory Commander** both stand out as excellent methods to gain as much low-end memory as possible. Memory Commander is much easier to use that QEMM and actually gives me somewhat more memory, but I find that on the machine I run DOS programs under Windows, I like QEMM better since I have some problems with Memory Commander in that type of environment.

Games have gotten interesting again, especially as they are now coming out under Windows. I really like **The Casebooks of Ace Harding**, **Shadowgate**, and **Uninvited**, all from ICOM. I still haven't got ahead of my 14-year-old son in Shadowgate, but I'm trying.

A wild CD-ROM-based Windows product from something called Software Marketing Corporation is **UFO.** This CD-ROM claims to be "This Planet's Most Complete Guide to Close Encounters" and attempts to prove to you that UFOs exist. All twelve hundred sightings contained on this CD-ROM have been "Meticulously examined by respected authorities in the field of UFO-logy." If you are looking for that perfect present for the multimedia aficionado who has everything, this is probably it.

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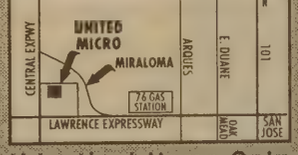

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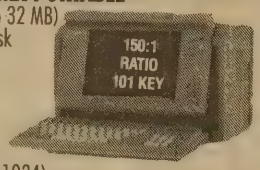

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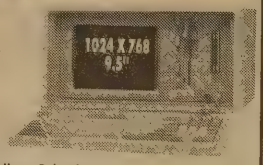

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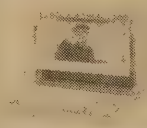

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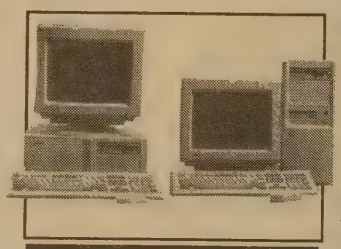

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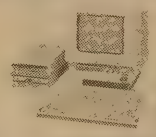

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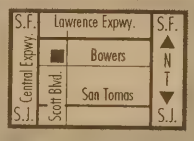

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into your multimedia computer and gives you complete control of almost everything associated with multimedia. You will really like the MIDI and CD-ROM stereo players, and the mixer is better than anything else I've tried.

Delrina's WinFaxPro still has my endorsement as the best of the Windows fax software products, and the massive collection of cartoon fax cover sheets makes this program fun to use, as you attempt to use the most appropriate cover sheet for your message. Along with this, **PerForm Pro Plus**, also from Delrina, gets my vote as the best of the Windows Form Designer and Database software managers.

Many folks attempt to replace the Windows File and Program Manager with something else. I'm partial to **Central Point PC Tools** for Windows. It has a variety of Windows utility programs and comes with Central Point Backup (my vote for the best Windows Backup program). I still don't let it replace the Program Manager, though, since I like the way it works.

I recommend the **Fargo Primera** wax transfer color printer to anyone who needs color under Windows. With its low street price, it is still a best buy in my book.

I've always been a fan of **Avery Label Pro**. I've recently tested their Windows Label Pro and still think that this is the best label product available. I also like their **Personal Label Printer**, and think that this is one of the most labor-saving devices you can attach to your computer.

If you need great clip art, and really great ease of use for graphics programs, I'd still go with **Arts & Letters**. While I like **Freelance Graphics** for quick business graphics, I think that Arts & Letters wins everything else, hands down. I couldn't live without it.

I am considering switching my recommendation for communications programs to **Powerline** from the folks at Enable. I've only used a beta version, but it does what you need in a nice and organized way. It doesn't have enough buttons across the bottom of the screen, but you can easily manipulate and modify their pulldown menus to add any command you would wish or macro you might send. It still chokes on uploading ASCII text; when they get this fixed, in their release version, I'll recommend it.

WinSense, which lets you customize your Windows environment for all possible contingencies, still has my recommendation as a program every Windows user should not live without.

And, my last recommendation: Windows Uninstaller from MicroHelp should also be a required product for any Windows user. This nifty

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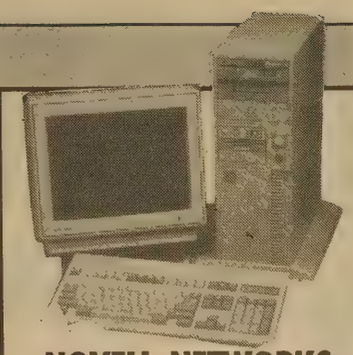

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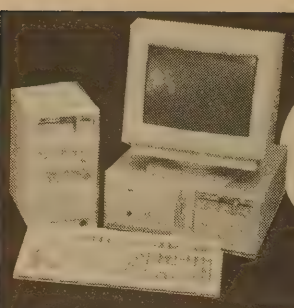

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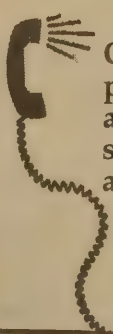
Helps You Choose



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MicroTimes Writers' Soapbox Awards

goodie helps you uninstall the godawful number of files which most Windows programs scatter all around when they grab your computer. While many programs now come with their own uninstall routines, there are still enough arrogant programs out there which assume you'll never get rid of them and fail to provide that help.

David Morgenstern

What a great privilege it is for me to write under the BMUG banner. The helping and giving that flows daily from our staff and volunteers is the embodiment of the spirit of computing. Computers are not just machines. They are the synergistic combination of silicon and biological memories, only coming to life when we turn on the machine and connect with the data. BMUG believes computers can be a force for positive change, and we need the support of members and the developer community to keep up our good work.

I thank *MicroTimes*, Mary Eisenhart, and especially, all the readers who have supported the BMUG column. May you and your data remain safe and healthy in the coming year.

Here are my picks for hardware and software honors. I guarantee that you will find them slightly unusual! They are practical items, that will help keep you computing and productive. Many are not the sexiest choices, but if that's your requirement you'll do better with a Victoria's Secret catalog.

I've also stayed away from any recommendations of particular Macintosh models. This is the best time in history to buy a Macintosh. Don't believe there are too many choices or models to choose from. You will score big with almost anything you buy, especially models with the 68040 processor. Buy more computer than you think you need and you'll do just fine.

David's Top Five Hardware Products

• **Berkeley Data Access SCSI Cables.** If you've spent thousands of dollars for a hard drive bigger than the Grand Canyon, you don't want a crummy two-buck cable to bus your precious data. Steve at B.D.A. can talk SCSI cables all day, and his are the best! This is a small, wholesale kind of operation, so you have to order cables a couple at a time; four at a time will get you the best price break. Berkeley Data Access, 2560 Bancroft Way, #3, Berkeley, CA 94704. (510)644-2396.

• **Modem or CD-ROM drive.** Take your pick. Modems will not speed up or improve the operation of your Macintosh. They do not of

continued on page 152

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- VLB Graphic Card
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- Medium Tower Case & 250W PS
- 101 Maxi Keyboard

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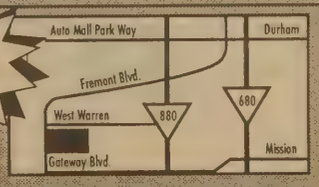

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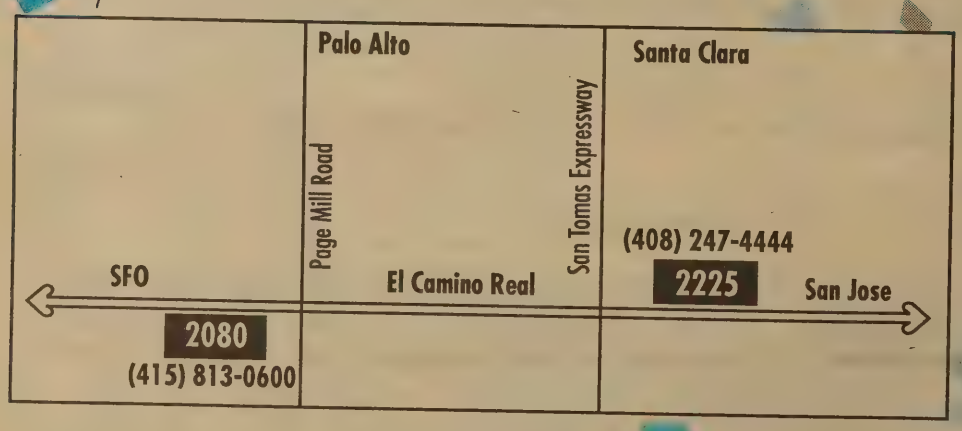

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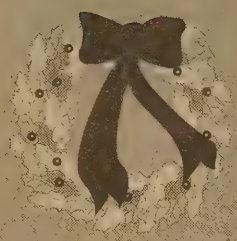

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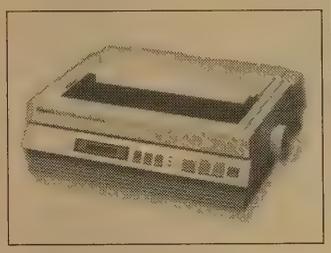

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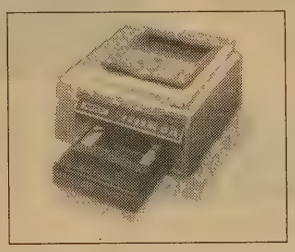

- ◊ 5ppms
- ◊ 1MB exp to 5
- ◊ 200 sheet capacity
- ◊ 300dpi resolution

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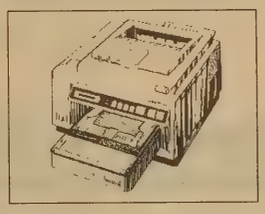
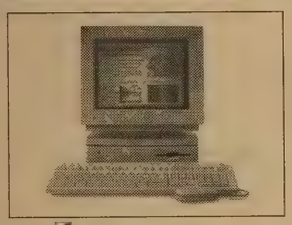


- ◊ 5ppm
- ◊ 512K RAM exp to 4.5MB
- ◊ 250 sheet capacity
- ◊ 300dpi resolution

$568

Mac & Stuff



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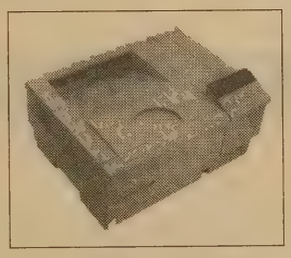

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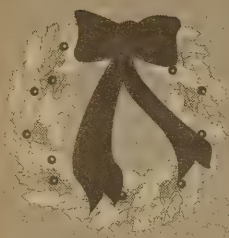

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- ◊ 128K Cache, 1MB RAM exp. to 32MB
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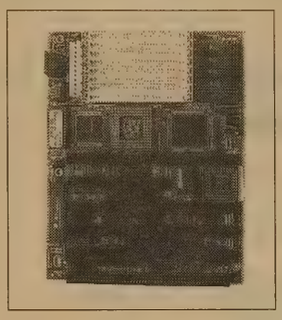
Motherboards

MicroStar 586 60/66 MHz Pentium Motherboard

◊ Intel Pentium CPU
◊ AMI/AWARD BIOS



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Opti Chipset with 512K Cache
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PCI/ISA BUS
Mercury PCI/ISA Chipset with 256K Cache
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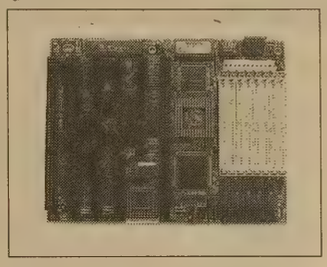
386DX-40MHz Motherboard w/ CPU

Manufactured by **Silicon Star**

◊ 80386DX-40 processor
◊ 128K Cache memory
◊ AMD CPU
◊ 0MB exp to 32MB



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Access 386DX-40

Mini Tower System

Affordable System

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◊ AMI Bios
◊ 2 serial/parallel/game ports
◊ IDE hard/floppy controller
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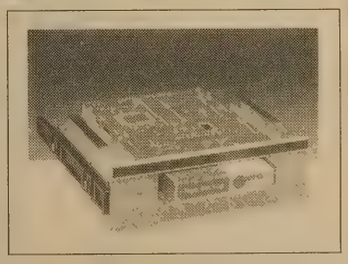

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Operates off Portable Port! Ideal for Notebooks!

JT-10	120MB	288.00
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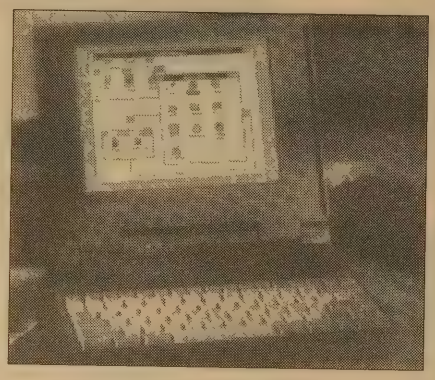

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The smartest buy

The affordable, full-featured 486 notebook, weighs less than 6 lbs.

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- ◊ 486SLC/33 MHz
- ◊ 120MB hard drive
- ◊ DOS, Windows
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- ◊ Carrying Case
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You'll run Windows™ faster than ever before.

486SX/33
Progression 4

$1199 *with Extended VGA Monitor*

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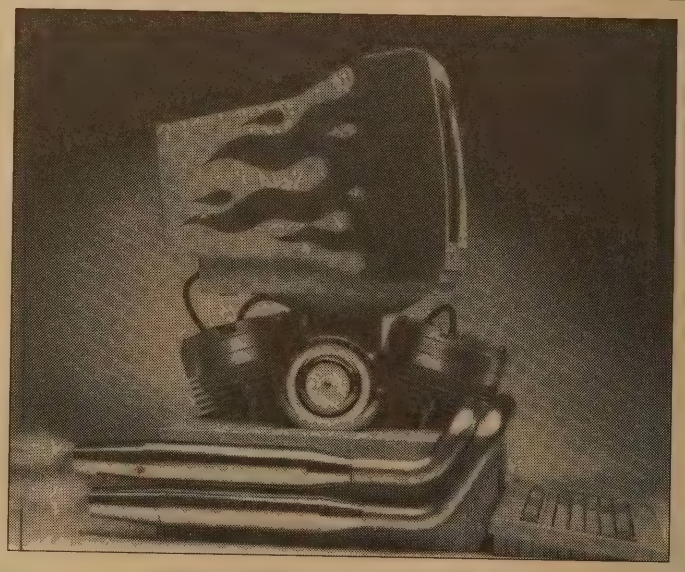

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- ◊ with a 3.5" 1.44MB FDD along with your choice of 120MB.

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BJC-600 Ink Jet Color Printer

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- ◊ 240cps draft, 170cps high quality
- ◊ 64 nozzles per color
- ◊ 16.7 million colors available
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- ◊ 2 year product warranty

COLOR!

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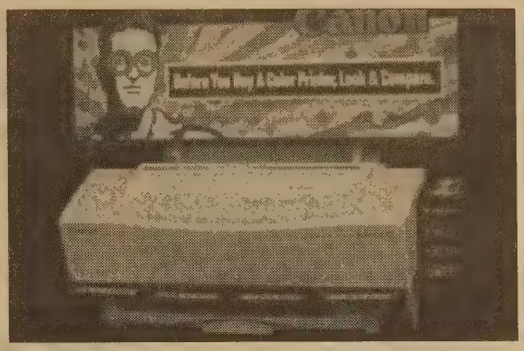

BJ-200 's

BJ-200

$30 Rebate

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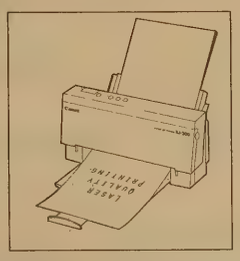
* Price after mfg's rebate, thru 12/31/93



◊ Prints up to 248cps ◊ 100-page sheet feeder
◊ 7 resident fonts ◊ Hold up to 10 envelopes

BJ-230 Wide Carriage

$369*

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BJ-10sx Portable

Optional 50-sheet (ASF6420) Cut sheet Feeder $89

- ◊ Prints 30% faster than 10ex
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- ◊ Text graphics up to 360dpi
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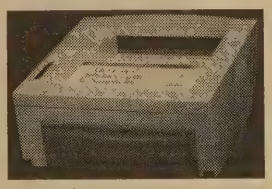
LBP-430 Personal Laser Printer

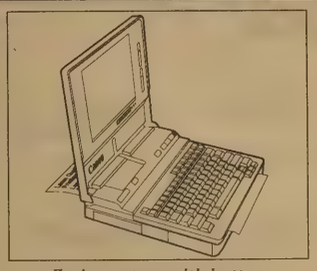
Environmentally Friendly...
Toner recycling program and sleep mode for low power consumption



- ◊ 4 pages per minute
- ◊ 1MB RAM exp to 5
- ◊ PCL 5 compatibility
- ◊ 22 fonts-8 scalable fonts
- ◊ 2 year product warranty

$599

NoteJet 486



Entire system with battery weighs only 7.7 lbs.

Computer and Printer In One!

FREE Ink Cartridge w/ Notejet purchase

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4MB RAM
180MB HDD

Other Models Available

- ◊ Powerful Full-Featured 486 Notebook
- ◊ High quality Bubble Jet™ Printer Built-in
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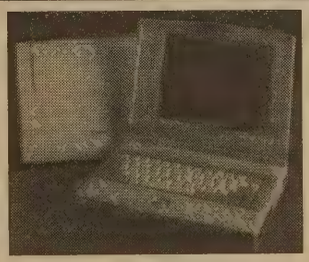
Innova 486NXM25



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486SX-25MHZ•4MB RAM•120MB HDD

- ◊ Powerful 486SX-25MHz
- ◊ 4MB RAM
- ◊ Fax Modem
- ◊ Built-in trackball
- ◊ Preloaded software: DOS 6.0, Windows, Works & MicroFax

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MX™ MACRONIX, INC.

Internal Faxmodem for Windows

MX Stealth
Fax Modem

- ◊ 14.4 send/receive data fax
- ◊ MNP 5 & V.42 bis
- ◊ WinFax Lite™ fax software
- ◊ Microphone LT/Windows™ software

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9600/2400 bps fax modems

Internal for PC	78.00
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Internal for Mac PowerBook	238.00
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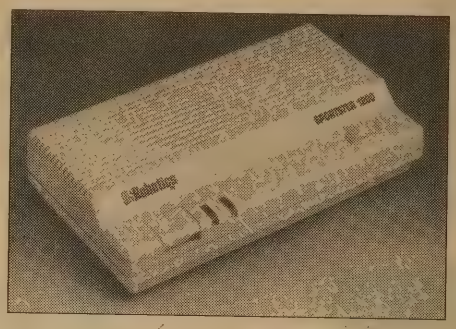
Modems

US Robotics®
The Intelligent Choice in Data Communications



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Sportster 14.4/14.4 Fax Modem

Internal	149 .00
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14.4 Modem

Internal	145 .00
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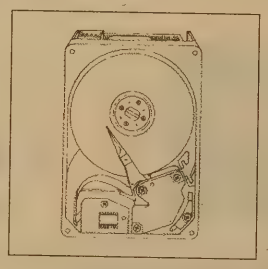
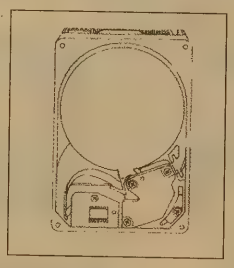
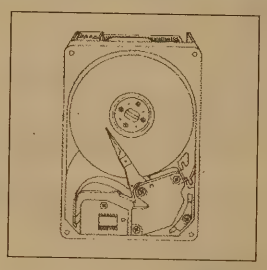
Reliable High-Performance Magnetic Drives to Meet Your Most Demanding Jobs!







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540MB	**540MB**	**1.2GB**	**340MB**
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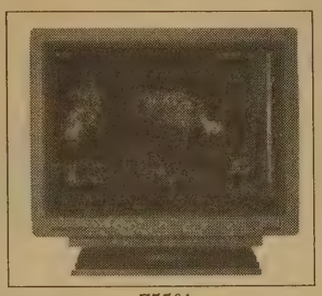
17" SVGA Monitor

SAVE $150



F550i

- ◊ 1280x1024
- ◊ .28 dot pitch
- ◊ Flat screen w/ Analog RGB input
- ◊ 1 year waranty
- ◊ Monitor is remanufactured*

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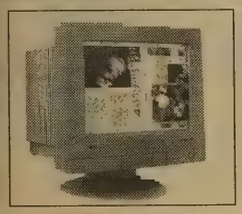

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- ◊ 15", .28mm flat square CRT
- ◊ 1024x768 at up to 60Hz
- ◊ Energy Star compliance
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SVGA	14"	1024	.28		329.00
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SONY

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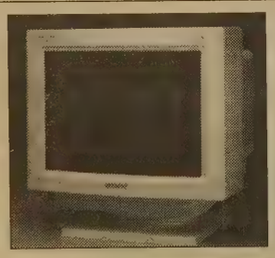

GDM-17SE1

- ◊ 1600x1200 max resolution
- ◊ .25mm dot pitch
- ◊ 50-150Hz vertical scan range
- ◊ Energy Star compliant

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CPD-1430	14"	1024	.25	595.00
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8500 VL Turbo
VESA Local Bus
16.7 million color, 32-bit
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Panasonic Office Automation

C1795E
17" SVGA Monitor

Mac/PC Compatible

- ◊ 1280x1024 resolution
- ◊ .28mm dot pitch
- ◊ Optional Mac Connector available

$1169

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C1991	20"	1280	.31	1499.00

ViewSonic

17"
SVGA Monitor
ViewMatch™
Color Control

- ◊ Up to 1280x1024, 76Hz refresh rate
- ◊ .28mm dot pitch
- ◊ 30-82 KHz scan frequency
- ◊ Analog RGB input

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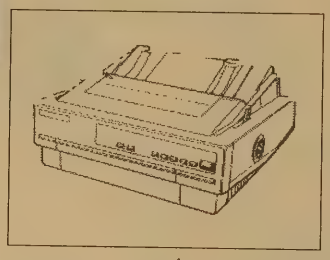

LQ-570+

Faster and with more fonts!

◊ 24-pin, 337cps
◊ 14 built-in fonts
◊ 2 year warranty

$238

AP-2250/3250 9-pin/24-pin 80 column	123/178.00
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MAY 1993 BYTE BEST VALUE GRAPHIC ARTS PRINTER

STYLUS 800

Ink Jet Printer

$299

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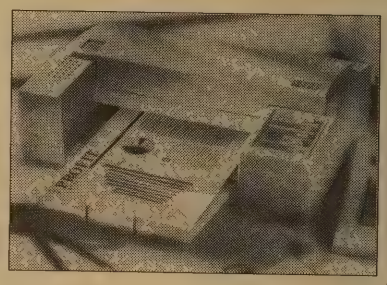


◊ Fast 150cps
◊ Crisp 360dpi laser quality
◊ 7 typefaces w/ 4scalable fonts
◊ Quiet 45dBA
◊ Compact footprint
◊ 100-sheet plain paper tray
◊ Prints envelopes with ease
◊ 2 year warranty

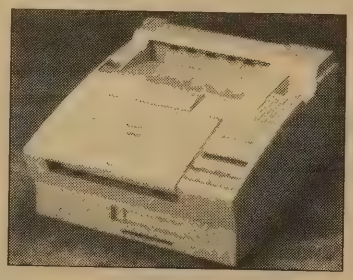
Replacement Ink Cartridge
PTE800C
$19.95

ActionLaser 1500

Scalable!

◊ 6ppm
◊ 1MB RAM exp to 5MB
◊ 14 resident, 13 scale fonts
◊ 1 cartridge slot
◊ 150-sheet universal tray
◊ HP III/IIIsi, PCL-5 emulation
◊ 2 year warranty

$678



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◊ 6ppm
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◊ Output resolution 50-600 dpi
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◊ Built-in imaging procesing features: brightness, gamma, color correction
◊ Available for PC or Mac

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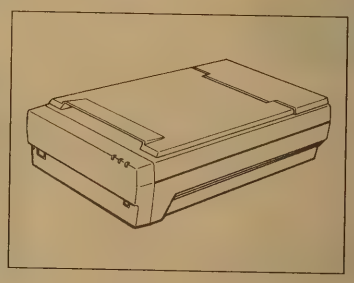

Action Scanning ES-800C

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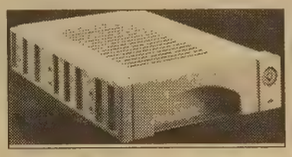

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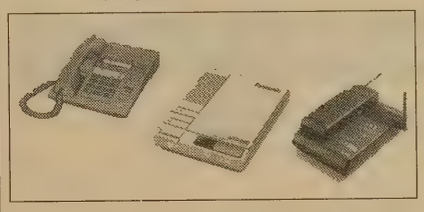

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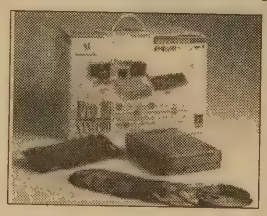

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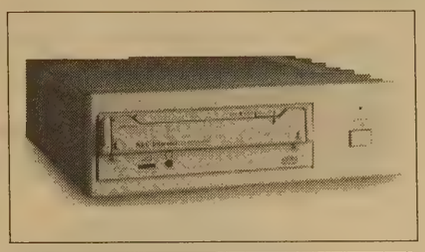

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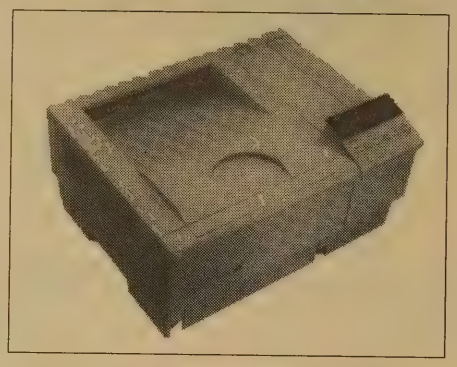

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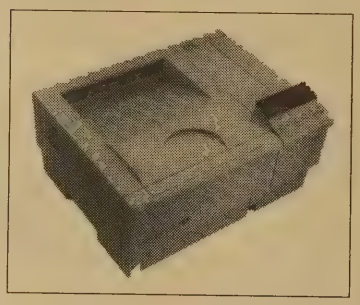

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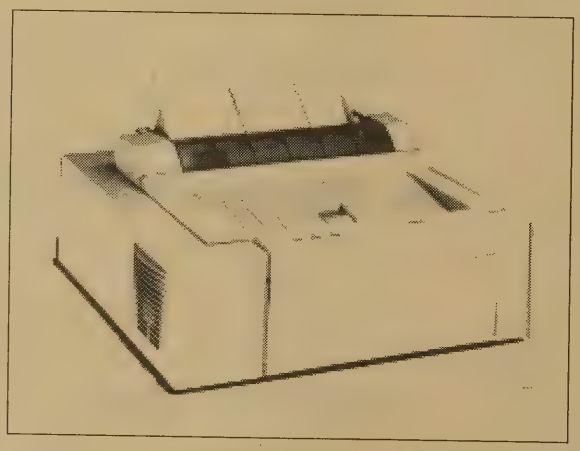

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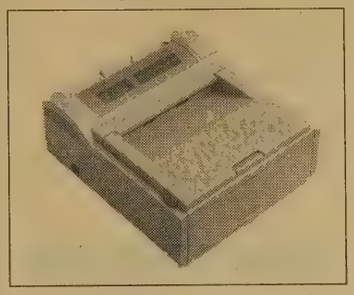

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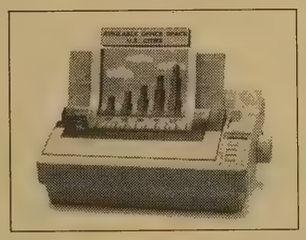

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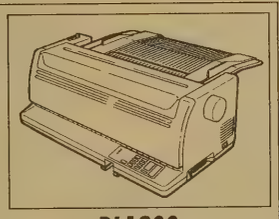

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DL1200

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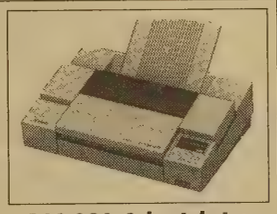

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MAC Compatible

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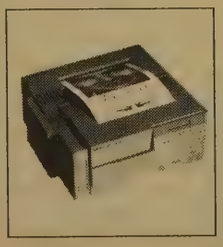

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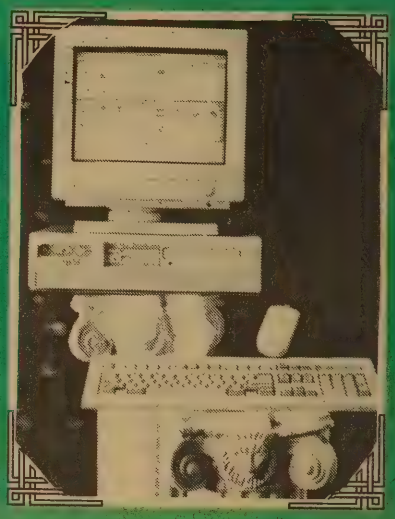

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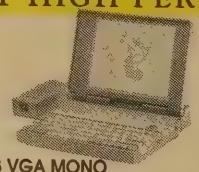

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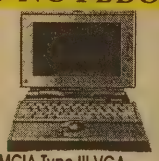

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MicroTimes Writers' Soapbox Awards

continued from page 134

themselves give you any output, or product that you can touch with your hands. Instead, a modem moves you out from your solitary relationship with your computer desktop, and into the entire world's computing space. You've got to be there with us!

There's an alphabet soup's worth of different protocols that can confuse the new user, but there's nothing to worry about. It's worth the extra money to buy a fast modem that supports the V.32bis protocol, even though it requires a special "hardware handshake" cable (most stores bundle everything together for you). The model with the most favorable mentions in BMUG meetings right now is the U.S. Robotics Sportster 14.4 modem.

CD-ROMs are getting to be essential equipment. There's lots of good information, and really interesting games. Let's get our priorities straight, right? BMUG likes the Apple CD 300 drive, which is a good double-spin drive. It comes with a handful of discs, too.

• **Panamax Surge Protectors.** If these are not the best surge protectors in the world, they are the next best thing. Panamax protectors are not cheap, but they'll keep your even *more* expensive computer equipment from the vagaries of the power grid. They also have flavors for your home entertainment system or copier. If your system is damaged by a surge while properly connected with their protector, they will pay for any and all repairs. Panamax, 150 Mitchell Blvd., San Rafael, CA 94903-2057. 1-800-472-5555; fax (415)472-5540.

• **Q-Safety Earthquake Safety Fastening Products** are an exceptional set of simple devices to hold your computer, electronic equipment, or anything else down during an earthquake. There are fasteners for cabinets, water coolers—everything! The braces are various types of molded nylon automobile industry Velcro fasteners. Q-Safety, 2341 East Foothill Blvd., Pasadena, CA 91107. (818)449-1590; fax (818)449-6866.

• ***The Tao of AppleScript*** was the first book on the market about AppleScript. Perhaps you're interested in finding out how BMUG was able to automate the layout of our disk catalog—taking information on the thousands of programs in the BMUG shareware library, stored in almost two dozen FileMaker Pro databases, and pass it on to PageMaker for formatting and correct positioning. Our script chugged on for ten days and nights (sounds almost biblical, doesn't it?), but saved months of human work. Sound like something you could use? You bet!

It includes a high-density disk containing Apple's official AppleScript software, as well as scripting utilities and additions written specifically for the book. The book weighs in just shy of 300 pages and is published by

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David's Top Five Software Products

• **The BMUG tie-dyed T-shirt.** I know, it's a soft-wear product—so sue me! This beautiful, bright rainbow shirt, with "BMUG" on the front, and "The BMUG T-Shirt, tie-dyed in Berkeley by Deadheads" on the back, is a winner in any crowd—hard rock and hardware. Only $15.

• **ClarisWorks.** Did you forget to add in software when you were budgeting your Macintosh purchase? It's not an uncommon occurrence. If you can spring for just one program, take a look at ClarisWorks. It has plenty of features, and has a great user interface. It really works beautifully together, as it was designed to—shocking behavior in a piece of software!

• ***Creating a Healthy Work Environment.*** Some bosses still don't believe that computer use can cause health problems. If you can get them to read it, Apple has put out a little 12-page pamphlet that runs through basic repetitive-stress, eye fatigue, and hardware setup health issues. It even mentions laser printer ozone pollution. It's a good place to start a health and safety discussion. Apple Computer Inc., 20525 Mariani Ave., Cupertino, CA 95014. (408)996-1010.

• **EndNote Plus.** More people than ever before are going back to school. Keeping track of information for the various term papers you have due is always a problem. EndNote Plus, a powerful database that knows all about bibliographic references and styles, almost makes writing a term paper fun. It automatically generates a correctly formatted bibliography and footnotes for your paper. Niles and Associates, 2000 Hearst St., Berkeley, CA 94709. (510)649-8176, fax: (510)649-8179.

• **Think for Yourself CD-ROM.** This is a CD-ROM collection of statistics from United Nations, World Health Organization, and other American governmental sources, with an easy-to-use Discovery data analysis program. The information includes data on AIDS, the environment, health, and American demographics. The Discovery application "understands" the information of the data sets, and lets even young kids analyze and solve problems. It has a list price of $249, and an academic discount of $149. PEMD Education Group, P.O. Box 39, 35000 Highway 128, Cloverdale, CA 95425. (707)894-3668; fax (707)894-5200.

Robert Moskowitz

Expanding The Definition Of Telecommuting

As of this moment, I'm expanding the definition of telecommuting. Single-handedly. Unilaterally. On my own.

Until now, almost everyone who is anyone in the world of telecommuting considered it to be the act of working from home (or from a telecommuting center) while meeting requirements and fulfilling responsibilities that derived from your Full-Time Job.

That's an antiquated and artificial distinction, akin to defining medicine as the process and skills taught in medical schools, rather than one of many healing arts. It's like saying that only the police are concerned with fighting crime, rather than it being every citizen's responsibility. It's as dumb as thinking that politics is only what happens in legislatures and capitals, rather than the normal interaction between people who have differing agendas, incomplete power, and varying abilities to persuade or impose their ideas on others. It's as out of step with reality as those MIS experts of a few years ago who told us that personal computers weren't real computers, and the work we did with them wasn't as important as the work those mainframes were chunking out.

Here's the new definition: Telecommuting is the process of working in, experiencing, or thinking about a physical or human environment that happens to be at a distance from where you are at the moment.

The employee with the full-time job who works at home one day a week has the same problems, opportunities, and challenges as the consultant who's answering a client's questions by telephone. They're the same as for the home-based entrepreneur who's dealing with subcontractors, the PTA chairperson who's feeding the baby while telephoning volunteers about organizing a fund-raiser, the teenager who's on the phone for hours with the very person he just spent a whole day with at school, or the lover who's sitting silently, yet squeezing his or her whole personality through those two little copper telephone lines to the loved one miles away.

It's cruel and unusual punishment to say that unless you have a full-time job, you simply aren't part of the telecommuting revolution, that you're not "pushing the envelope," that you don't count. Experts are prognosticating that full-time employment is following a downward spiral as companies use part-timers, temps, job-sharing, and, yes, telecommuting to meet their productivity requirements for tomorrow's fast-paced, fast-changing economy. If you insist on making "full-time employment" part of the definition of telecommuters, you're ultimately going to define telecommuters out of existence.

So here's to telecommuting (my definition)—an integral part of twentieth century life, a process virtually all of us understand, a skill virtually all of us have mastered, and an experience virtually all of us will continue to count as a real and vital part of normal, everyday life—regardless of what you experts try to tell us.

Douglas J. Nakakihara

With the dust finally settling from the most abysmal year ever seen by the computer industry, the best you can say for Commodore Business Machines, Inc. is "the body's still warm."

Cutthroat pricing and a global recession left few companies in the entire industry, including IBM and Apple, unscathed. However, I am confident that Commodore has taken the proper and necessary steps to wait out the storm.

Commodore has downsized US operations to a skeletal crew, but has reportedly kept its core R&D personnel. Warranty repairs are now being handled by a third party, and the product supply pipeline has been streamlined. Plans are being made to move from the now-too-big headquarters in West Chester, PA.

Former president Jim Dionne is gone and the company has pinned a lot of hopes on the new Amiga CD32 game console. With demand in Europe exceeding the twenty thousand CD32 units being produced each week, it would appear that Commodore may have a hit on its hands, if sales continue at this pace.

Success will be a lot harder to achieve in the US, when CD32 is formally introduced here in January. Technologically speaking, CD32 is far superior to its only real shipping competitor, Sega CD, and is priced about the same. Philips' CD-I is much more expensive and isn't targeted directly at the game console market. Fortunately for all concerned, Nintendo will not have a CD peripheral in the immediate future. CD32 just may have a chance to establish itself before the more powerful 3DO and Atari Jaguar start shipping, but Commodore will have to get on the ball and devote some real dollars to make it fly.

VideoCD, a new cross-platform format that can hold seventy-four minutes of video and audio on a disc the size of a standard CD, could also play a big role in CD32's success. VideoCD has some big names behind it, which should guarantee software availability. I hope Commodore can ship the announced MPEG adapter by the time VideoCDs become available, supposedly by the time you read this.

Additionally, if Commodore can get a Kodak PhotoCD licensing agreement worked out, this should also fuel demand for CD32. QuickTime movies may be supported as well on CD32. Essentially, the more cross-platform software that CD32 can support, the better its chances for surviving and prospering in the US market.

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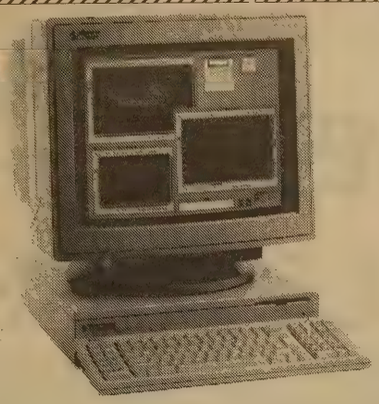

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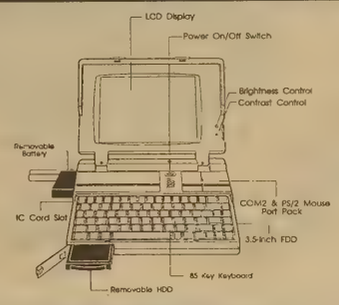

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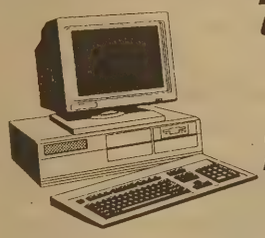

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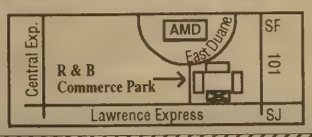

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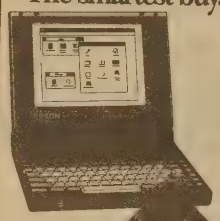

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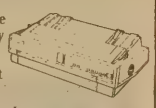

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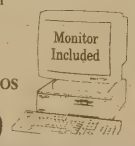

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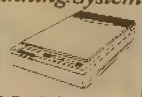

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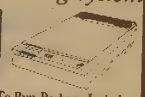

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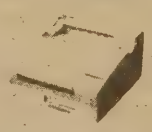

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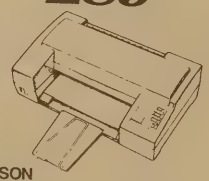

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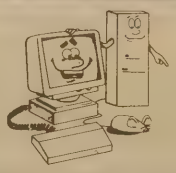

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MicroTimes Writers' Soapbox Awards

being a general purpose computer and is now focused nearly exclusively on video graphics. Sure, the Amiga is more than capable of running productivity software like word processors and spreadsheets, but the major developers have justifiably ignored the tiny Amiga market.

If the Amiga can take a sizable piece of the computer video graphics market, it can survive as a platform. There are still some excellent business productivity titles available for the Amiga; however, if you need serious stuff, you can't beat Windows on a cheap PC clone.

Doug's Best of 1993

New Tek's Video Toaster 4000

The savior for the Amiga is without question New Tek's Video Toaster 4000, without which the Amiga would be truly dead. This new version is more powerful and cheaper than the original! Major productions like *Jurassic Park, seaQuest DSV, Quantum Leap,* and *Babylon 5* have proven that the Video Toaster-Amiga combo is a useful professional computer graphics tool. Furthermore, cable companies, videographers, and the like have found the Video Toaster's video switching capabilities a godsend.

MacroSystemUS's VLab

VLab provides the most economical way to grab full-resolution and color video frames at 30 frames per second. The tradeoff is time, since it doesn't do it in real time. Still, this is a ground-breaking product and a real joy to use.

SunRize Industries' AD516

Essentially the "Audio Toaster." Eight-channel direct-to-disk 16-bit recording and playback. The new time-line cue list is nothing short of incredible.

Digital Processing Systems Inc.'s Personal Animation Recorder

This device turns your Amiga into a single-frame recording deck without the hassles and drawbacks of its tape counterpart.

IVS's MovieMaker

The most economical way to edit and show Amiga animations at 30 frames per second with 16-bit stereo sound. Use it with DCTV and you will have some pretty impressive output which can go direct to video tape. JPEG add-on hardware is supposedly in the works.

Great Valley Products' ImageFX

This is the kitchen sink image processing package. ImageFX includes, in addition to its powerful

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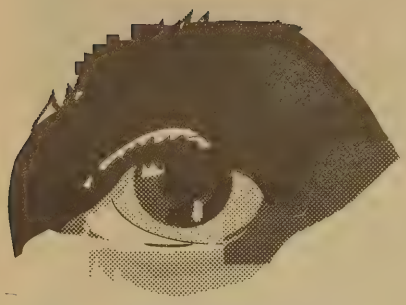

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image processing capability, complete painting tools and a morphing program. It also directly supports many 24-bit graphics cards. A very mature product for an initial release.

24-bit Graphic Cards

1993 saw the release of a plethora of 24-bit graphics cards, including Retina, Picasso II, EGS-28/24 Spectrum, Merlin, and Piccolo. All offering at least super VGA level resolution and colors, the Amiga is no longer behind in this area. However, until Commodore adopts a retargetable graphics (RTG) standard, each card will continue to integrate differently into the OS. This results in various levels of program compatibility. The RTG standard is supposed to be set sometime in 1994, coinciding with the release of the next-generation Amiga.

Michael Robin

The ending of one year and beginning of a new one gives me an excuse to sort through (and clear away) all of the accumulated press releases, new product announcements, and review copies of software piled around my desk. It is also a chance to step back from the constant barrage of industry information and reflect upon the year.

Software

The first place to look is software—the tools that make my computer useful. The core group of applications that I regularly use are **Microsoft Word 5.1**, **FileMaker Pro**, and **MicroPhone II**.

Although I prefer these three apps over their competition, I would not go into shock if I had to switch tomorrow. However, there are three utilities—Word Wrapper, Retrieve It!, and StuffIt Deluxe—that I would sorely miss if they were taken away.

Word Wrapper (Open Designs, 415/929-1425), which we've talked about in previous issues and writers' soapboxes, is a small desk accessory (DA) that strips away carriage returns from text (ASCII) documents. This is definitely a time- and life-saver when working with text received over electronic networks.

StuffIt is one of the main com-pression/decompression tools for the Mac. **Deluxe v3.0** offers more features, giving you greater power and options. I probably don't use even half of its functionality, but when someone sends me a BinHex, UUEncode, Zip, or almost any other type of compressed document, StuffIt Deluxe usually lets me turn it back into a person-readable document. Version 3.0 also makes it even easier to make self-extracting files.

Last year I mentioned **Retrieve It!** from MVP Software. This text retrieval desk accessory finds files, and text within files, quickly and easily. This year Retrieve It! was reintroduced as one of the first products from Claris Clear Choice. (Claris Clear Choice is a line of "personal productivity software created by independent software developers.") Asde from redesigning the package, Retrieve It! logo icon, and the manual, Claris did not change things very much. In addition to an easy-to-use interface, Retrieve It! provides a range of search capabilities, from a single word or a phrase to complex operations such as "within 25 characters of" or a date delimited Boolean search. It will also do this in the background and let you peek at the documents it finds from within Retrieve It!

Hardware

The computer industry continues to experience constant changes in hardware technology. This year witnessed the continued proliferation of 486-based PCs, color notebook computers, new subnotebook computers, new low-cost workstations, and an array of 040-based Macintosh models.

The offerings from Apple changed names and configurations so quickly it was difficult to know what was new and what was old. As part of the most recent product reorganization, for example, the short-lived Centris line became members of the Quadra family, but by any name they are excellent 040 Macintosh computers.

I will admit, however, to being more confused than usual by the current offerings from Apple. On paper it seems logical to separate the model names by distribution channel, but with many of the new models being so similar, it's difficult to understand the reason for the distinctions. If they're all basically a variation of the same machine, why spend the time and money calling them something different, or building the same computer in the differently shaped box?

This situation will probably continue in the coming year as Apple offers new configurations (such as Macs with both a Motorola and Intel CPU), and begins the transition to the PowerPC.

Enough about Macs. Three other hardware events this year that stand out in my memory:

On the workstation front, the **Indy** from Silicon Graphics is a truly exciting new computer. It offers an ideal platform for multimedia with powerful 3-D graphics and a camera as well as Windows and Macintosh emulation, all for a $5000 base price.

At the other end of computing are two new small computers. The first is the **HP OmniBook**, a very small, lightweight subnotebook, featuring PCMCIA flash cards, built-in ROM-based Windows

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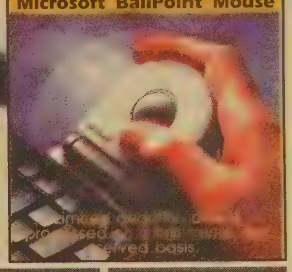

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- * Bundled Carrying Case
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- * Weighs 6.2 Pounds
- * Measures 8.6 X 11.7 X 1.95 Inches

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- * Printer Port, Serial Port, VGA Port
- *** PS/2 Keyboard Port**
- * 85-Key Inverted "T" Keyboard
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486SLC-33
Call 2MB RAM 80MB HDD
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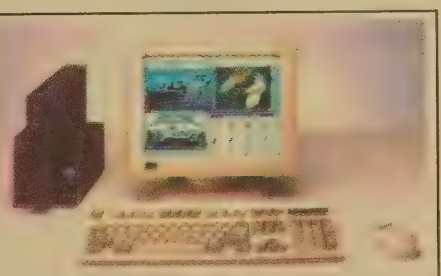
* Battery life measured with Power Management enabled, Actual battery life may vary



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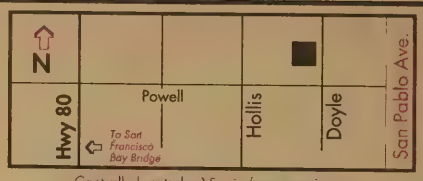

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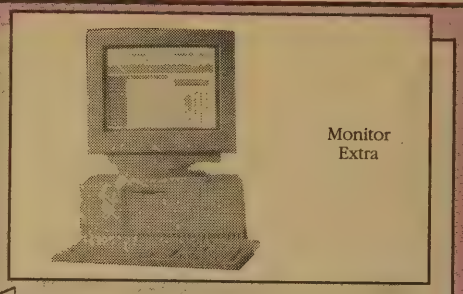

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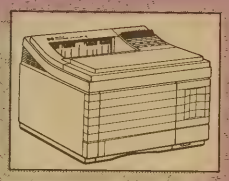

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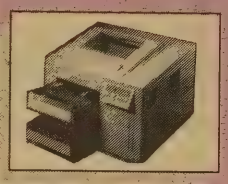

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This high-speed, high volume, high-resolution laser printer is designed for multiple network environments.

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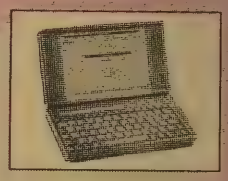

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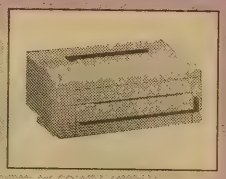

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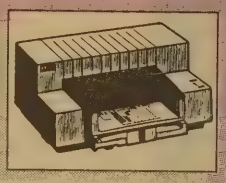

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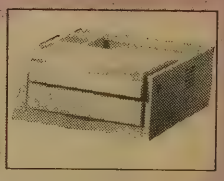

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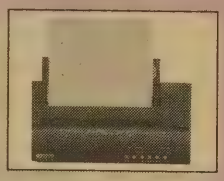
HP DeskJet 310 InkJet



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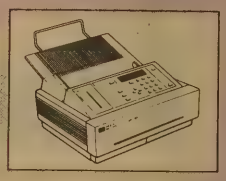

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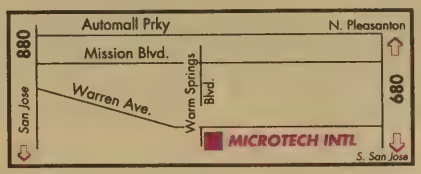

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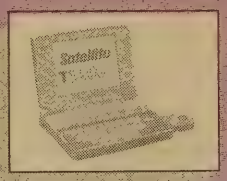
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applications, and infrared technology for communications—to other OmniBooks, the desktop, or printers. The original OmniBook 300 used a low-energy 386, but Hewlett-Packard has recently announced a new model powered by a 486.

The other "small" event was the release of the much-discussed **Apple Newton.** It is too early to know if this pen-based, handheld device will be the killer machine for the mid-1990s, but it promises to challenge our thinking on how we use computers and how we communicate with each other.

1993 was also the year of continued growth on the electronic networks, with the majority of focus on the Internet and the promised National Information Infrastructure or Highway. Having grown up in Los Angeles, I know the value of a good, fast transportation vehicle. After spending most of the year cruising around in an old reliable 2400 baud modem (the Volkswagen of the early '90s?), I decided to beef things up with a **14.4, V.42 fax modem.** And it feels grand. Yes, I can see the new super compression, V.FAST modems just around the corner, but until these are everywhere and affordable, traveling the electronic highways and byways at 14.4 baud is a pretty nice way to go.

Jim Warren

MacZeal

Sometimes, Sculley's scurrilous scenarios infuriated me—noncompetitive over-pricing and elitist preoccupation with high-end esoteric Macs while haughtily ignoring the low-end and mid-range mass Mac market. But Sculley's gone, and most of that now appears to be history.

So I continue to be a Mac zealot—primarily because the Mac operating system and the thousands of commercial, shareware, and freeware applications that conform to the Mac's carefully designed and long-published user-interface specifications are so easy to learn, easy to use, and easy to move between.

Why, hell—on a Mac, you can be *productive!*—even *without* being a computer expert.

My zeal is further rekindled, now that post-Sculley Apple has decided to offer dual-platform (PC *and* Mac) functionality in some 1994 Macs, and even—*glory!*—license their Mac OS for use on others' platforms. (If Steve Jobs had done that in the first place, the Windows window-of-opportunity would never have opened. Cooperative competition wins; clutching at control loses.)

I do wish, however, that Apple would finally offer a true multitasking Mac operating system, with legitimate preemptive multitasking. They coulda done it with System 7, but they decided to remain upwards compatible with their previous mistake—(un)cooperative multitasking.

IBM's OS/2 has offered preemptive multitasking for some time, and Windows NT has promised it (and will promise it) for years.

It *ain't* that hard to do—the old Alpha Micro AMOS in the late '70s was a multiuser operating system with preemptive multitasking, using nothing more than a 6800 CPU board and 64K-or-so of memory in a cheap S100 bus desktop computer box with a 5–10MB hard disk, leaving *lots* of space to spare.

DOS & Windows

In several years, Windows—which was promoted for *years* before it was stable enough to be widely accepted—will be as robust as the Mac interface is now. And probably a few years later, most of the major Windows applications may have mostly standardized their user interfaces—making it as easy to learn and switch between applications as it has been on the Mac from its beginning.

And in the future—years after benevolent Bellevue Billy first announced and began promoting it—Windows NT, also, will undoubtedly become widely installed. And only a few years thereafter, it will even become reliable—once enough customers have helped Microsoft finish debugging it, as they have done with Windows 1.x, 2.x, and 3.x.

On the other hand, for convenient programming and automatic, un-esoteric mass data and text manipulation—limited to command-line interfaces and unencumbered by the inconvenience of (humane) graphical user interfaces—I still like DOS. If I wanna hack huge databases, I tend to shove 'em into a DOS box and thrash them to my heart's content.

Peripherals

For the last several years, I have consistently turned to **APS Technologies** for my mass-storage needs (1-800-354-1213). I've bought half a dozen disks and DAT drives from them. The first reason is price. The second reason is robust, cordial, patient, competent customer service and technical support.

My APS goodies include several Archive Python DAT-tape systems, controlled with Dantz Development's (510/253-3000) **Retrospect** backup software. They have *repeatedly* saved me from my imperfect self, plus occasional hardware failures. And I routinely slip the latest backup tapes containing *everything* —about 3GB total—in my pocket whenever I leave home. Their tiny bulge makes me feel comfy in our fire-prone, quake-threatened times.

Improved SCSI boxes: APS has just introduced what I consider to be a *neat* improvement in external mass-storage SCSI boxes—small cases with two features:

1. Each has an active controller that diddles the otherwise-infuriating SCSI chains to assure continuous, accurate, in-spec electrical termination! A *great* boon for all who have endlessly swapped cables and boxes seeking the magic combinations that pacify the forever-unknowable SCSI Gods.

2. These cases have very quiet fans and can be stacked, and APS offers a tiny, 4"-long SCSI connector to "cable" between the stacked cases. No more stupid cable-snarl.

Magnificent modems: The exploding world of BBSes (bulletin board systems) and the global Internet offer *worlds* of information, contacts, and computer programs. All you need is a modem. Furthermore, fax machines offer the exciting opportunity to create landfill at remote sites using other people's paper.

Given how cheap they are, a high-speed modem with send-receive fax capabilities is the *only* way to commute. I contentedly use desktop **TelePort Gold** and **PowerBook PowerPort Gold** 14.4-kilobaud fax/modems from Global Village (415/390-8200). Their fax software is better than most, and their modems support up to 57.6Kbaud functional data throughput when communing with other V.42bis modems—even over unconditioned residential phone lines. Savings in connect-time charges alone can often quickly pay for these units—to say nothing of savings of your time and patience.

Among other things, these Global Village fax/modems were *instrumental* in this year's successful push to make comprehensive state legislative data available via the public computer nets without state fees.

Scanners: In 1990, I got an Abaton/Everex grayscale scanner. When it wimped out and I called them for out-of-warranty repair, they wanted about half of what I'd paid for the entire system!—and casually said they were no longer supporting their three-year-old product. Interesting approach to customer "support."

I now have a unit from a reliable company—the **Hewlett-Packard ScanJet IIcx.** It lists for under $1200; is a flat-bed scanner (much better'n them curl-'em-up sheet-scanners); emits 24-bit color and 256-level grayscale; and has optional pagefeeders, transparency adapters, and Mac interfaces.

1. It's a great price for all those capabilities.

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- **Main Memory**
  2MB to 128MB on board
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  64K, 128K, 256K, 512K
  High speed SRAM
  Write back or write through cache
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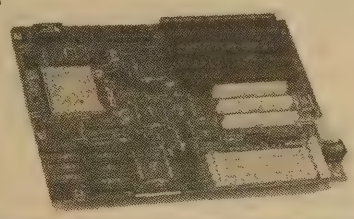
  25, 33Mhz
- **Expansion Slots**
  Three PCI slots
  Five ISA slots
- **SCSI Controller On-Board**
  NCR 53C810 master device
  Full PCI specification compliance
  Zero wait state bus master with 110Mb PCI burst rate (@ 33Mhz)
  47Mb sustained memory to memory move
  Combines PCI interface with SCSI
  10Mb synchronous
  5Mb synchronous

PCI LOCAL BUS



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- Supports 32 bit PCI Local Bus
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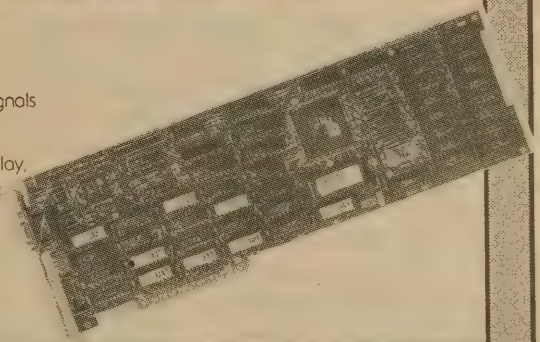
- Hardware cursor 64 X 64 X 2
- VESA specs support for monitors and BIOS
- Display memory 1Mb DRAM default expandable up to 2mb



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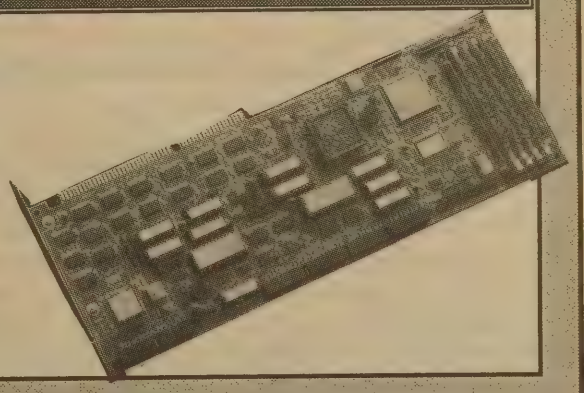

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Cross-platform keyboards: On my Mac and my PC, I have a pair of keyboards—almost identical in feel and key-location. Invaluable for touch-typists who switch between the two platforms! Furthermore, both have an optional-use small trackball for the mouse-averse and roll-prone. Low-cost comfort from Key Tronic Corp. (1-800-262-6006).

Sun-visor computing: Not exactly *MicroTimes* mainstream, but—for security against unkind surveillance of nonconformists' driving habits—Cincinnati Microwave's battery-powered **Passport Escort** traffic-radar detectors are excellent. Small, pocket-portable, and the Maytags of the commuter counterspy contraptions (1-800-543-1608).

MacStuff

For years, I have been a Symantec (408/253-9600) loyalist—a loyalty well earned by their product quality and Gordon Eubanks' leadership.

MacProgramming tools: Symantec's Think Pascal programming system is far more than merely a Pascal compiler for the Mac. It is absolutely the best program-development system I have ever used—and I've been programming on and off since the early '60s. And Think Pascal is *amazingly* inexpensive.

For C hackers, **Symantec's Think C** system is excellent. Its user interface is not as polished as the Pascal system's, but it still beats the hell out of clunky command-line C systems.

MacUtilities: I consider Symantec's **SAM Anti-Virus for the Mac** and its **Norton Utilities for the Mac** to be the default standards for such invaluable functions. Norton has cleaned up my file aberrations more than once!

Kiwi Software has several Mac utilities including a great (cheap!) little Control Panel add-on that allows Mac users to quickly pull down through main menus to their submenus (805/685-4031). I use it constantly.

MacPackages: I like Symantec's **GreatWorks**—combining text editing, database, spreadsheet, charting, drawing, painting, outlining, and communications in one glob.

MacDatabase systems: Jim Rea's **Panorama** from ProVUE Development is my flat-file database-manager-of-choice (714/892-8199). It is unusually easy to use for most of its functions, unusually fast, and *delightfully* inexpensive.

Furthermore, Jim has built a package of PowerBook contact management, scheduling, and expense-tracking tools on a stripped-down version of Panorama that is even less expensive—but much more powerful than most similar packages.

MacFile searching: ON Technology's **OnLocation** saves me endless hassles and frustration in searching for items that I buried in—literally—several gigabytes of text and databases scattered across tens of thousands of files, where I can only remember one or several key words (1-800-767-6683). In the background, when the system is idle, it automatically updates its compact indices for each disk.

MacGroupware: Ever since working a bit with mouse- and GUI-inventor Doug Engelbart, who's been working on collaborative systems since the early '60s, I have been a fan of computer-assisted collaboration. ON Technology's **MeetingMaker** is a neat step in that direction. It allows numerous people to share the development of documents across a LocalTalk or EtherTalk network. Handy for anyone who can't do everything.

MacBooks: Aside from sometimes-readable product manuals, there are two sources to which I automatically turn for well-written, comprehensive tutorials and reference works on just about MacAnything:

Addison-Wesley Publishing Company has long been the publisher of Apple's official ***Inside Macintosh***—completely detailed reference manuals (1-800-447-2226). Beginning in 1992, as Mac variations proliferated, they significantly revamped the series—from its original five-volume series (plus Vol. 6 for System 7) to a better-organized series that is currently ten volumes and counting. Additionally, AW publishes a whole batch of *excellent* reference works for Mac programmers and users.

Peachpit Press is my other favorite publisher of manuals for Mac users—and also of books for desktop publishers and, increasingly, for Microsoft Windows users (1-800-283-9444). They are a small publisher dedicated to outstanding quality in their well-defined topic areas. Their ***Little Mac Book*** and ***Macintosh Bible*** series are default-standard tutorials and reference works for Mac users. They have a whole range of highly readable, complete manuals for numerous specific Mac software applications—usually notable improvements over the original product manuals.

Both Peachpit and AW have catalogs available upon request and accept telephone orders.

PC Software

I don't use my resident PCs much. But when I want to hack some fast code, or munch on massive datafiles—such as half a gigabyte of voter-registrations or assessor data or some such—the PC is often the handiest tool around, usually with DOS, occasionally under Windows. No messin' with fancy GUIs—just hack the files and get the job done (and, often, pump the results over to the Mac for fancy finishing touches).

For local and remote data-communications on the PC, I use DataStorm's **Procomm-Plus** (remote) and **HotWire** (local, via an RS232 link, including cabling) (314/443-3282).

As with Symantec, I am a strong Borland International (408/431-1000) and Philippe Kahn loyalist.

PC programming: For PC programming tools, I automatically turn to **Borland's C or Pascal**—dandy development systems. Powerful tools, excellent prices, versions available for both Windows and DOS platforms.

PC database systems: Borland's **Paradox** is an outstanding PC relational DBMS (database management system). And, of course, their **dBASE** is the ol'-time standard for PC databases. It's sorta like the English language—perhaps difficult to learn and sometimes inadequate to express complex ideas, but it's almost universal.

The only major gripe I have about Paradox and dBASE is that they don't have modern versions available on the Mac—for cross-platform utility and compatibility.

PC books: For tutorials and reference books on PC software products—notably including most Borland software—I turn first to Osborne/McGraw-Hill (1-800-227-0900). They have a *massive* collection of generally excellent pubs on PC applications—free catalog available.

Networking

I'll leave LANs (local area networks) unmentioned, other than to say that Novell is a strong competitor to Microsoft—in an industry that badly needs balanced, vigorous competition.

For *real* networking—of people and information—there're BBSes (computer bulletin board systems) and there's the Internet. (Oh yeah—there're also the higher-priced, more-limited spreads like Compu$erve and Plodigy—but why pay more and get less?)

Local BBSing: There are tens of thousands of BBSes around the United States—check the listing in the back of any monthly *MicroTimes* for hundreds of 'em in California.

Although there are *numerous* counter-examples to the following provincial view, nonetheless: I consider BBSes to be primarily of use for local geographic areas—and for comparatively slow global email via Fidonet. That is, most of them primarily serve areas within the local calling area or inside a range from which one can call without having to make a major contribution to the phone monopoly's profits (generating enough spare loot

continued on page 280

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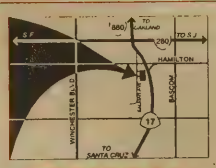

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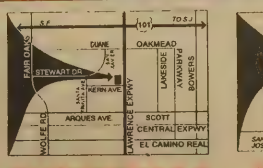

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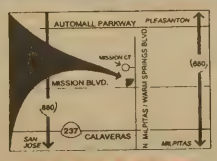

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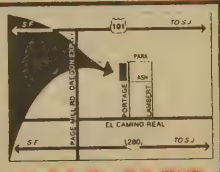

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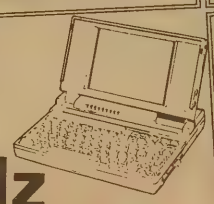

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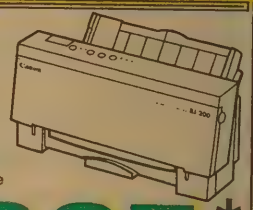

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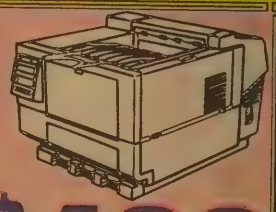

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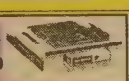

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The new Apple® Macintosh® Color Display provides the high quality and practical ergonomic design you expect from Apple. Its color and gray-scale capabilities give you versatility for a variety of projects. And its enhanced electronics allow this 14" monitor to display full-color images with photographic quality. The display's low, stable center of gravity keeps it from being easily tipped over, and its built-in tilt-and-swivel base make adjustment easy.
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SUPERMATCH 17T 17" TRINITRON® COLOR DISPLAY

Low-cost, large-screen color for business productivity applications. This 17" color display includes multiple modes, with supports for 1024X768 full-page-plus — the workspace of a 20" display, 832X624 WYSIWYG, and 640X480 magnified view resolutions; microprocessor-based controls for customizing your display to your environment; antidistortion technology; accurate 6500°K white point and "plug and play" compatibility with the motherboard graphics of the Macintosh Quadra.
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Low-cost, large-screen color for business productivity applications. This 17" color display includes multiple modes, with supports for 1024 X 768 full-page-plus — the workspace of a 20" display, 832 X 624 WYSIWYG, and 640 X 480 magnified view resolutions; automatically syncs to all popular Macintosh and PC timing, including VGA, SVGA and VESA; microprocessor-based controls for customizing your display to your environment; accurate 6500°K white point and "plug and play" compatibility with the motherboard graphics of the Macintosh Quadra.
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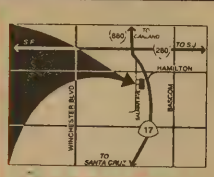

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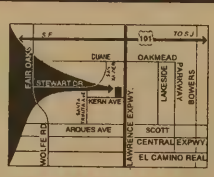

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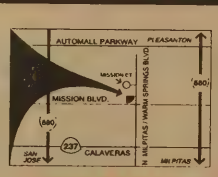

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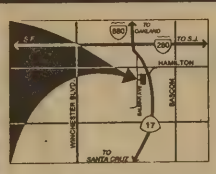

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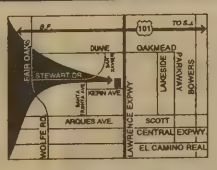

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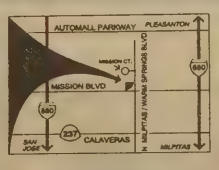

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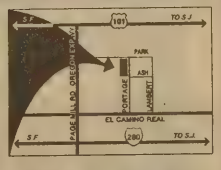

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Mouse, hard disk, System 7.01 or higher and a CD-ROM drive required

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Over 200 Fun Projects

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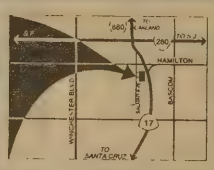

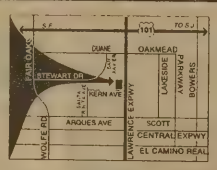

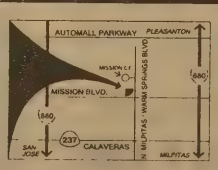

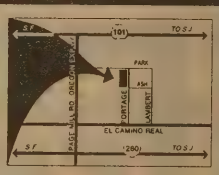

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WITH SCALABLE FONTS!

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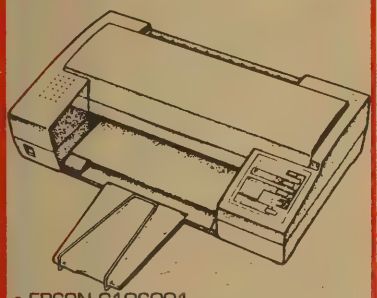

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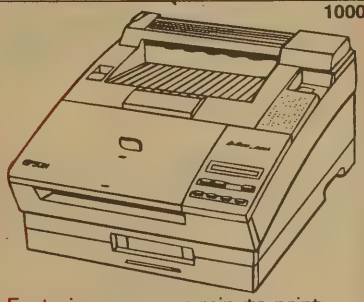

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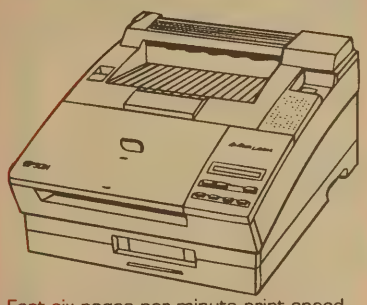

- Fast six pages per minute print speed.
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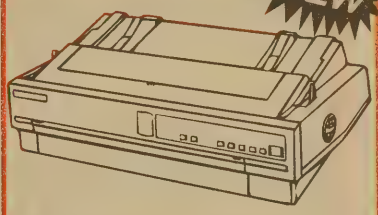

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2 Scalable Fonts • 252 CPS Draft Mode 84 CPS NLQ Mode
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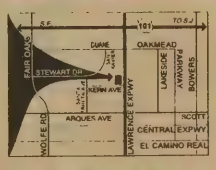

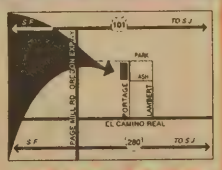

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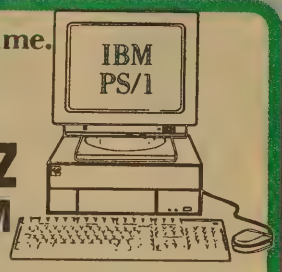
486SX-25MHz

129MB VGA SYSTEM



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129MB Hard Drive
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3.5" 1.44MB Floppy Drives
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IBM Mouse • IBM Keyboard • Internal Modem
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Preloaded Software: MS DOS 6.0 • Microsoft Windows 3.1
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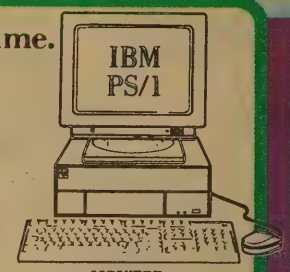

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3.5" 1.44MB Floppy Drives • Local Bus SVGA
CD-ROM • AUDIO card • Speakers • CD Software
IBM Mouse • IBM Keyboard • Internal Modem • 5 AT Slots • Novell® certified
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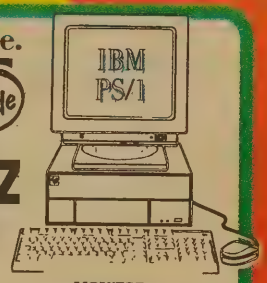
486DX2-50MHz

340MB SVGA SYSTEM



Intel 486DX2 50MHz CPU • 340MB Hard Drive
4MB Memory Expandable to 64MB • 8K Cache
3.5" 1.44MB/5.25" 1.2MB Floppy Drives
5 AT Slots • Local Bus SVGA
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2168-54T

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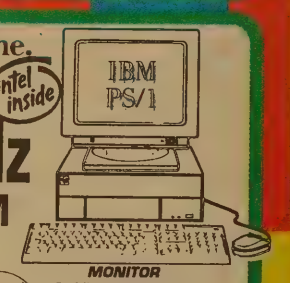
486DX2-66MHz

420MB SVGA SYSTEM



Intel 486DX2 66MHz CPU • 420MB Hard Drive
8MB Memory Expandable to 64MB • 8K Cache
3.5" 1.44MB/5.25" 1.2MB Floppy Drives
8 AT Slots • Local Bus SVGA
IBM Mouse • IBM Keyboard • FAX/Modem
Novell® certified
Preloaded Software: MS DOS 6.0 • Microsoft Windows 3.1 Microsoft Works for Windows • PRODIGY • P/S1 Tutorial, Index Fitness, • Virus check• PS/1 Edition American On-line
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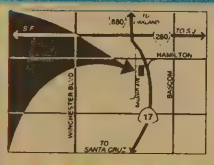

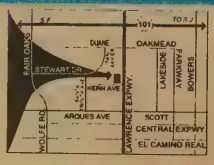

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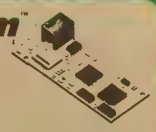

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MNP 2-5 Hardware V.42BIS • Internal • Windows and DOS Compatible

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Windows/DOS Software • Background Operation

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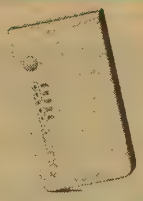

14,400 BAUD POCKET FAX/MODEM

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57,600BPS MAX

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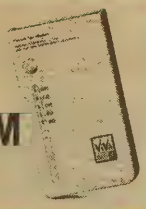

POCKET SIZE 9600 BAUD FAX 2400 BAUD MODEM

2400B Modem

9600B Fax • AC/DC,

CPI 504106

VIVA 2496P

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- Powerful Data Communications Software

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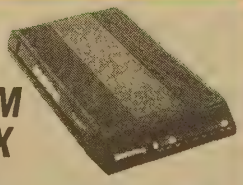

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- AC Adaptor(115V AC)
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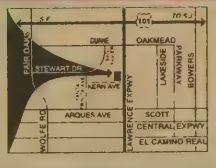

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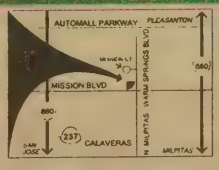

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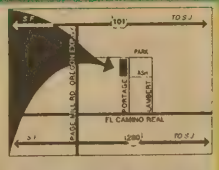

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QUICK LINK II SOFTWARE
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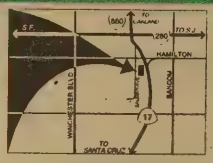

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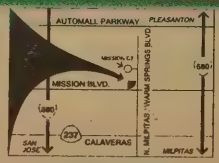

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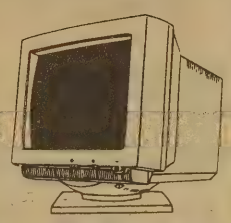

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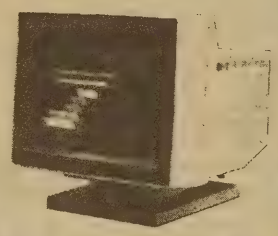
15" SVGA
COLOR MONITOR



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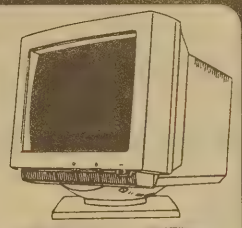

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Great for multimedia •Complete w/sound capabilities
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At 1024 X768
Compliance With
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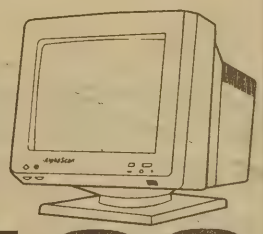

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Flat Screen INVAR Shadow Mask
70HZ Refresh VESA
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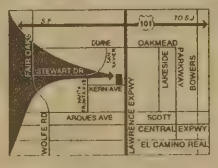

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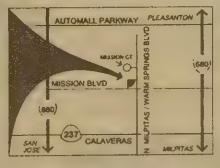

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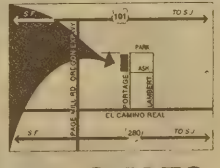

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HARD DRIVES FOR MAC

FLOPTICAL 21MB HARD DRIVE FOR MAC

FOR MAC 80MS FP21 #1777983

MASS microsystems

$379

MASS EXTERNAL 320MB VERTICAL HARD DRIVE

320MB EXTERNAL HARD DRIVE FOR MAC
15MS ACCESS
DD320 #1837649

MASS microsystems

$629

MASS EXTERNAL 245MB VERTICAL HARD DRIVE

245MB EXTERNAL HARD DRIVE FOR MAC
15MS ACCESS
DD245V #1837638

MASS microsystems

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MASS EXTERNAL 245MB HARD DRIVE FOR MAC

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DD245P2 #1837616

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1.2 GIGABYTE EXTERNAL HARD DRIVE FOR MAC

MODEL 1.2 #1850682

NU DESIGN

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105MB EXTERNAL HARD DRIVE FOR MAC

MODEL 105 #1842131

NU DESIGN

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105MB SYQUEST DRIVE FOR MAC

SYQ105 #1838743

NU DESIGN

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170MB EXTERNAL HARD DRIVE FOR MAC

MODEL 170 #1838592

NU DESIGN

$369

210MB EXTERNAL HARD DRIVE FOR MAC

MODEL 210 #1838628

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340MB EXTERNAL HARD DRIVE FOR MAC

MODEL 340 #1850659

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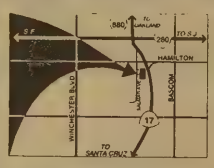

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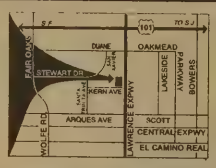

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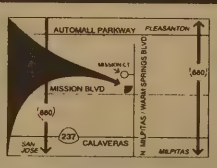

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120MB 3.5" IDE HARD DRIVE

19 msec Access • IDE Hard Drive
3.5" x 1 #1746868

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Seagate

130MB IDE HARD DRIVE

$179

3144A #1660878

Maxtor

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3.5" X 1" HT • 15MS Access Time 7131A #1803646

CONNER 170MB 3.5" IDE HARD DRIVE

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17ms Average Access • 32K Buffer • 1" Ht. • Low Power Consumption CP30174E #1656815

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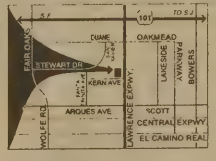

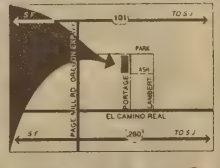

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213MB 3.5" IDE HARD DRIVE

3.5" Form Factor • 1" Height • 15ms Access 7213A #1694044

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WESTERN DIGITAL 210MB IDE HARD DRIVE

13 msec Access • 2 Year Warranty
AC1210 #1828522

$229

QUANTUM 240MB IDE HARD DRIVE

256K CACHE • FAST ACCESS #1758449

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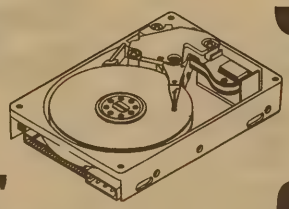
SAMSUNG 255MB 3.5" IDE HARD DRIVE

3.5" Form Factor 1" Ht. SHD-3122A #1786011



$229

CONNER 250MB 3.5" IDE HARD DRIVE

12ms Average Access • 1" HT. • 3.5" Form Factor
CP30254 #1795356

$229

CONNER 360MB 3.5" IDE HARD DRIVE

12msec Access • 3.5" 1/2 HT. • One Year Warranty
CP3364 #1844823

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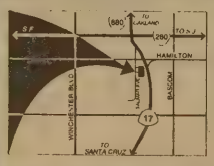

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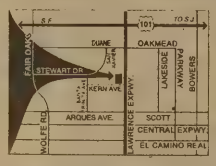

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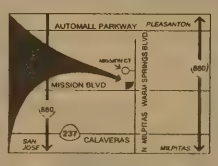

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345MB SCSI HARD DRIVE
3.5" X 1"HT. • 14msec Access
7345S #1807673

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Quantum™

525MB IDE LPS HARD DRIVE
FAST ACCESS LPS525A #1802117

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CONNER 540MB 3.5"
IDE HARD DRIVE
13ms Fast Access • 3.5" Format • 8K Buffer
IDE Interface #1843028

$419

Maxtor

540MB 3.5" IDE HARD DRIVE
8.5MSEC ACCESS • 1" HT 540A #1802162

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1.02 GIGABYTE SCSI HARD DRIVE
1/2 HT. • 12MS ACCESS • 512K CACHE • 3 YEAR WARRANTY
MK537FB #1836305

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MICROPOLIS 1 GIGABYTE
HARD DRIVE
Formatted • 10ms Access • 3.5" Formatted Capacity
Five Year Warranty • 2112A/2210A #1787768

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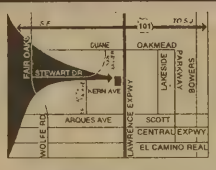

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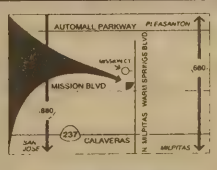

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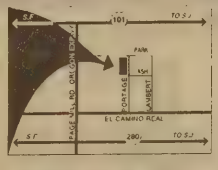

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HEWLETT PACKARD

5 GIGABYTE DATA TAPE BACK-UP

$1249

4MM SCSI • 783KB Per Second
About 47MB Per Minute
#1842153

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POWERTAPE 2400 EXTERNAL 2.4 GIGABYTE BACK-UP SYSTEM

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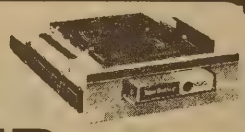
WITH SCSI CONTROLLER 18MB/MIN NOVELL, NETWARE, LANTASTIC #1804050

COLORADO MEMORY SYSTEMS INC.

120 MB TAPE BACK-UP



40/60/120MB FORMAT
Back up any size drive from 40MB to 120MB
Runs off Floppy Disk Controller
Internal XT/AT Drive DJ-10 #1498817

$99

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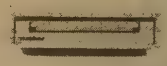
Jumbo Trakker 250MB Parallel Printer Port Tape Backup System



Plug and Play. No hardware installation. Trakker connects to your computer's parallel printer port.
Full Compatibility. Works with any computer with an IBM¿ compatible parallel printer port.
Dual Connectors on Back Panel. Trakker and printer share a parallel printer port.
Trakker Portability. Easily shuttles between laptops and desktops.
QIC-40. Industry Standard Recording Format for data interchange.
JT-20 #1740806

$369

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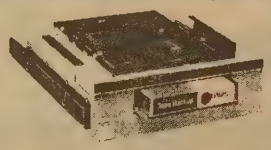
250MB TAPE BACK-UP



40/80/120/250 MB Format
Internal Drive runs off floppy controller
Uses DC-2120 Tapes
Model DJ-20 #1610068

$179

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250MB INTERNAL TAPE BACK-UP

WITH DC12120 TAPE CARTRIDGE
C250MQT #1825747

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IBM Business Partner
Authorized Personal Computer Dealer

IBM 250MB TAPE BACK-UP

3.5" Form Factor
Runs Standard QIC 80 Software
TD630 #1780174

$169

SUMMIT MEMORY SYSTEMS INC.

250MB TAPE BACK-UP

250MB Internal Tape Backup
Runs off of Floppy Controller
Central Point Software For Windows & DOS • 2 Year Warranty
Model SE250 #1635586

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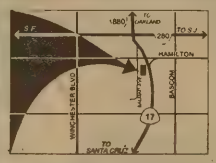

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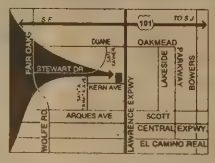

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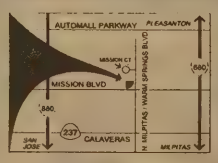

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OMNI CD MULTIMEDIA UPGRADE KIT

- 300 KB/sec data transfer rate • Multi-session photo CD compatible
- 320ms access rate • 680MB data capacity
- 64KB RAM buffer • Daisy-chain up to four Creative Labs drives
- CD-ROM XA ready

#1825714

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CREATIVE
CREATIVE LABS, INC.

TOSHIBA DUAL SPEED INTERNAL CD-ROM

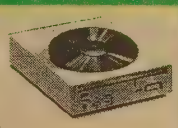
SCSI CD-ROM • 200ms Access
256K Cache
330KB/sec Transfer Rate
Multi-Speed

XM3401B
#1785618

$345

REVEAL

INTERNAL DOUBLE SPEED CD-ROM DRIVE WITH SIX CD TITLES



Internal CD-ROM drive, Double Speed, 320ms access time, 300K Bytes data transfer rate. Multi-session Photo CD ready. Includes mounting hardware, cables and installation video. Six CD software titles.

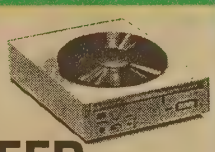
Includes Free Installation Video

$289

CDD11
#1853043

REVEAL

INTERNAL DOUBLE SPEED CD-ROM DRIVE



Internal CD-ROM drive, Double Speed, 320ms access time; 300K Bytes data transfer rate. Multi-session Photo CD ready. Includes mounting hardware, cables and installation video.

Includes Free Installation Video

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CDD02
#1853032

MICROSOLUTION MOBILE MEDIA BACKPAK EXTERNAL CD-ROM

NO INTERFACE REQUIRED

External Portable CD-ROM Connects To Parallel Port
150KB Transfer Rate

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BP160550CD
#1798728

CD-ROM DRIVE

- Kodak Multi-session Photo CD Compatible
- Double Speed - 300kbs / 350 ms - MPC Level II
- Supports CD-XA, CD-DA, CD-I Formats
- Motorized Tray Loading and Front Panel Controls
- Interface Card and Cable Included
- 64k Buffer

CDS-3110 #1849611

ORCHID

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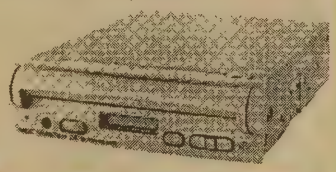
MULTISPIN 3Xi INTERNAL CD-ROM

450KB/sec Transfer Rate • 200ms Access Time
256K Cache • Photo CD Compatible
CDR-500
#1839179



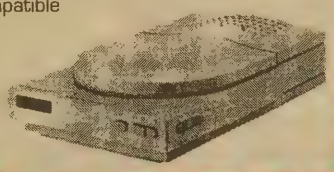
NEC

MultiSpin CD-ROM READER
NEC

$499

MULTISPIN 3XP PORTABLE CD-ROM

Portable Gray CD-ROM • 450KB/sec Transfer Rate
MID 200ms Access Time • 256K Cache
PHOTO CD Compatible
#1839157



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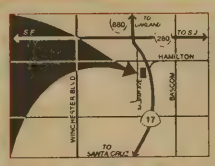

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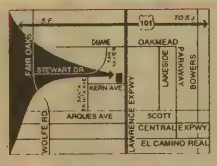

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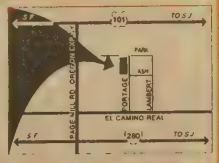

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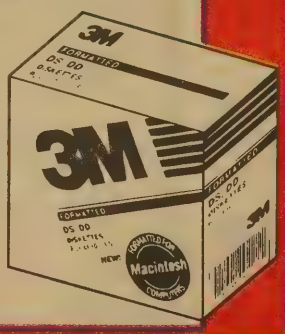

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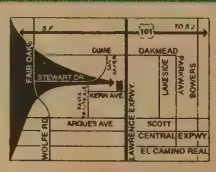

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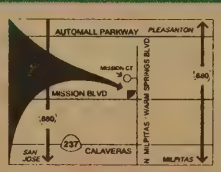

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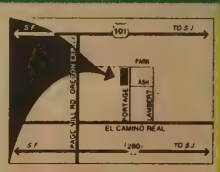

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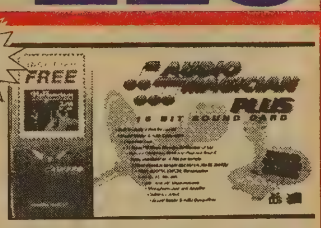

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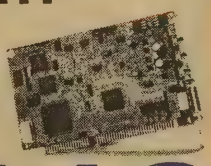

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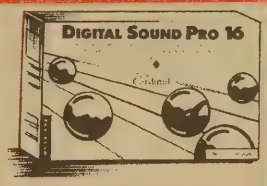

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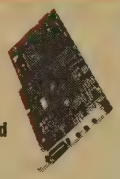

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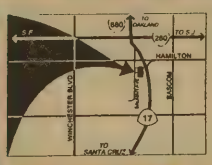

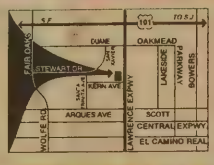

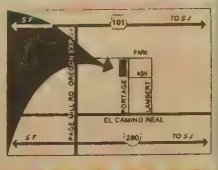

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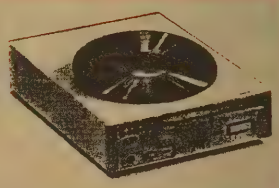

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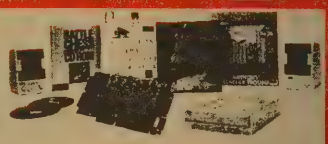

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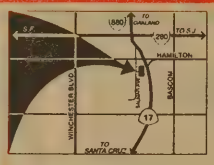

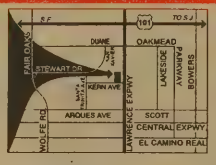

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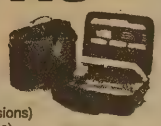

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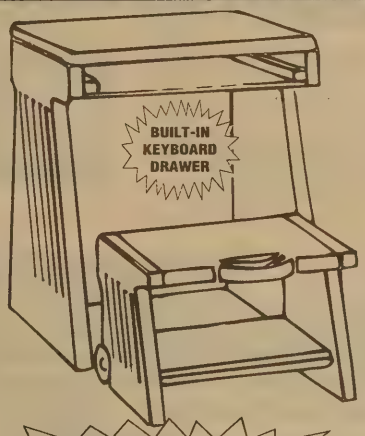

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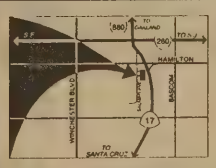

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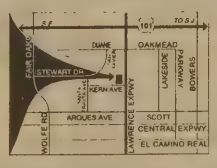

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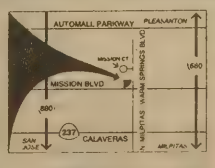

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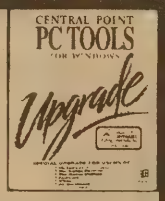

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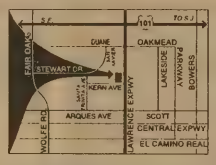

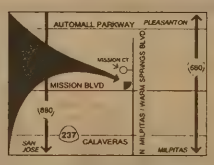

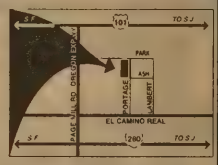

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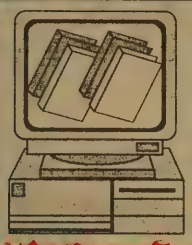

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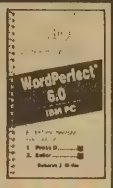

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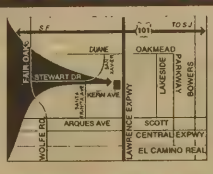

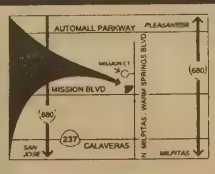

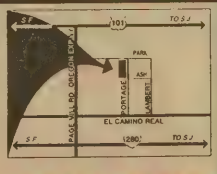

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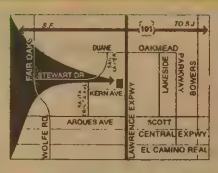

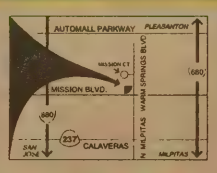

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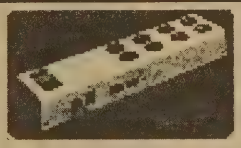

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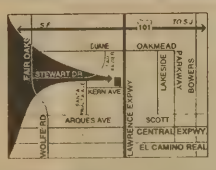

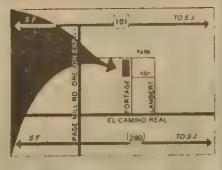

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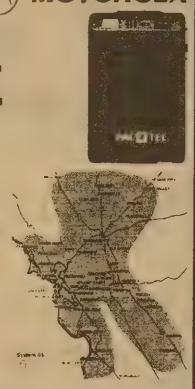

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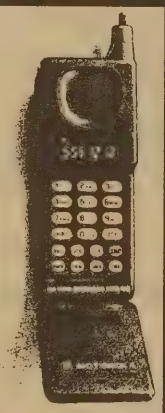

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*AFTER $25 INSTANT REBATE (SERVICE ACTIVATION REQUIRED)

Model DPC-550 #1635999

MOTOROLA

ALPHA MICRO-TAC CELLULAR PHONE

If it's small and lightweight you're looking for, this is the cellular phone for you! With its 101 alpha numeric memory, a desktop charger, and standard battery, this technologicaly advanced cellular phone can be yours for only...

$358.95*

*AFTER $25 INSTANT REBATE (SERVICE ACTIVATION REQUIRED)

Model DPCAC #1635988

MOTOROLA

MICRO TAC LITE CELLULAR PHONE

Weighing in at 7.7 ounces and measuring 11.6 cubic inches, this is one of the lightest and most advanced cellular telephones available. With 100 alpha numeric memory, retractable antenna, standard battery, and desktop charger, you can receive state of the art performance and design for only...

$464.95*

*AFTER $25 INSTANT REBATE (SERVICE ACTIVATION REQUIRED)

Model MICRO TAC LITE BASE #1750739

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VISA AND MASTERCARD ACCEPTED

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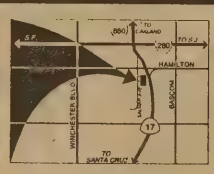

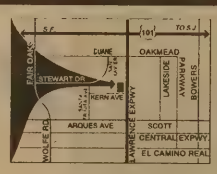

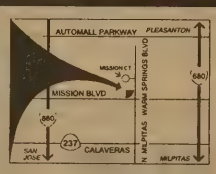

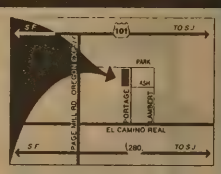

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ANSWERING MACHINES

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ANSWERING MACHINE

Answering system with Auto-Logic Operation, Tone Remote Control, Digital Display, Message Memo Recording and Remote turn on, Auto-Logic Operation Automatically Rewinds, Plays Messages, Stops at the Last Message and Resets itself at the Touch of One Button.

Model KX-T1000 #1498194 **$39.95**

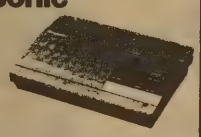
Panasonic

DUAL MICRO CASSETTE ANSWERING SYSTEM

Panasonic's new dual micro cassette answering system offers an LCD Call Counter, marker message, room monitor, auto disconnect, electronic auto disconnect, electronic volume control, audible message alert, and much more for only...

MODEL KX-T2100 #1740208 **$69.95**

Panasonic



DUAL MICRO CASSETTE ANSWERING SYSTEM

W/ VOICE TIME/DAY STAMP

Panasonic's new dual micro cassette answering system offers an LCD Call Counter, marker message, room monitor, auto disconnect, electronic auto disconnect, electronic volume control, audible message alert, and much more for only...

MODEL KX-T2300 #1740219 **$89.95**

MULTI-LINE BUSINESS PHONES

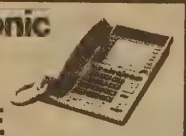
Panasonic

TWO LINE PHONE

A two line phone doesn't have to cost a fortune. Panasonic has the low cost answer for you. This unit has a convenient auto dialer, conference calling and much more!

MODEL KX-T3110 #1505313 **$49.95**

Panasonic

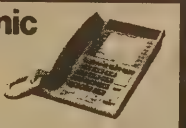


2-LINE SPEAKERPHONE W/ LCD DISPLAY

From Panasonic comes this fully featured 2-line speakerphone with LCD display, 3-way conference call, volume control for speaker and handset, 24-station one-touch dialer, auto redial, flash, separate ringer tone, line status indicator, memo dial, and save redial, all for only...

MODEL KX-T3175 #1745122 **$89.95** AVAILABLE IN BLACK OR WHITE

Panasonic



3-LINE SPEAKERPHONE WITH LCD DISPLAY

From Panasonic comes this fully featured 3-line speakerphone with LCD display, 3-way conference call, volume control for speaker and handset, 48-station one-touch dialer, auto redial, flash, separate ringer tone, line status indicator, memo dial, and save redial, all for only...

MODEL KX-T3185 #1768039 **$159.95** AVAILABLE IN BLACK OR WHITE

10 CHANNEL CORDLESS PHONES

Panasonic

10 CHANNEL CORDLESS PHONE

Most cordless phones have a very short battery life, but this one can last up to 7 days in the standby mode! Add a flexible antenna, 10 number memory, 10 channels, paging and you have an excellent value at...

MODEL KX-T3710 #1511389 **$69.95**

Panasonic

10 CHANNEL CORDLESS SPEAKER PHONE

W/ LCD HANDSET DISPLAY

If you want the phone that has it all, come and see this one today! The hot new KX-T3920 from Panasonic is like having two phones in one! You can talk and dial from the base or talk back and forth thru the intercom. And it even has a 16 number Automatic dialer!

MODEL KX-T3920 #1768051 **$129.95**

Panasonic

THE WORLD'S BEST CORDLESS TELEPHONE PANASONIC 900MHz

It's simply Incredible! Take this phone down the street to your neighbors for a barbeque and you will think you were calling from your own backyard! But that's not all! It's also the ultimate cordless phone for small businesses that can't afford to have anything interfere with an important call! Besides the advantages of mobility and clarity, this model has an impressive list of features including, intercom with 2-way paging, 30 channel auto scanning, auto speed dialer, private digital security and much much more! Now only...

MODEL KX-T9000 #1677122 **$329**

10 CHANNEL PHONES /ANSWERING MACHINES

Panasonic

10 CHANNEL CORDLESS SPEAKERPHONE

w/ANSWERING MACHINE

This cordless answering system with sound charger technology delivers sound so clear, you will hardly believe your ears! Some of the features included are, 2- way paging, intercom, auto security system, message alert, 2-way and memo recording just to name a few. Now only...

MODEL KX-T 4330 #1796483 **$159.95**

Panasonic

10 CHANNEL CORDLESS SPEAKERPHONE

w/ANSWERING MACHINE AND TIME/DAY STAMP

With speakerphone, time/day stamp, 2-way page, intercom, an auto security system, message alert, 2-way and memo recording, time check, 2 message greetings, and much more, this Panasonic cordless speakerphone with micro cassette answering machine is an excellent value at only.....

MODEL KX-T4370 #1796494 **$179.95**

Panasonic

10 CHANNEL CORDLESS SPEAKERPHONE

w/DUAL MICROCASSETTE

This new top of the line cordless dual microcassette answering system with sound charger technology delivers sound so clear, you will hardly believe your ears! Some of the features included are: 2-way paging, intercom, auto security system, message alert, 2-way and memo recording just to name a few. Now only...

MODEL KX-T4400 #1735370 **$199.95**

FAX MACHINES

Panasonic

FAX MACHINE

WITH ANSWERING MACHINE AND ANTI-CURL

This fully featured Fax from Panasonic comes equipped with an auto-logic answering system and anti-curl, as well as copier capabilities. It's the perfect secretary for your home or business!

MODEL KX-F150 #1770001 **$399**

Panasonic

FAX MACHINE

WITH PAPER CUTTER AND ANTI-CURL

This fully featured Fax from Panasonic comes equipped with an auto-logic answering system and auto paper cutter, as well as copier capabilities. It's the perfect secretary for your home or business!

MODEL KX-F250 #1770023 **$459**

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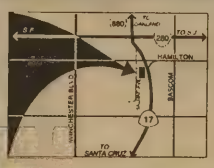

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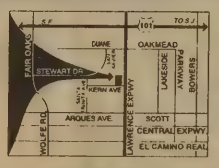

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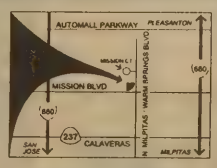

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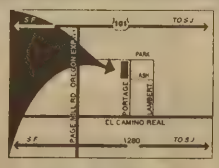

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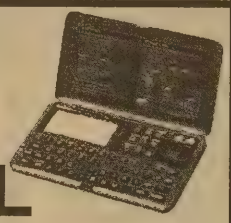
ELECTRONIC DATA MANAGEMENT FOR EVERY NEED

BUSINESS ORGANIZERS

CASIO



32K DIGITAL DIARY

Why carry around a calendar and schedule book, or a telephone directory and notebook, when you can do it all and more with this new digital diary from Casio.

$49.95

MODEL SF-4300
#1647189

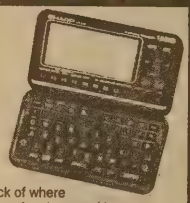
CASIO B.O.S.S. WITH 64KB MEMORY

This business organizer scheduling system comes packed with powerful functions that are practical and easy to use. The QWERTY Keyboard, telephone directory, calendar, memo function, schedule alarm, world time function, home time function, and schedule keeper will prove to be an invaluable tool in keeping your busy days in order.
An excellent investment at...

$79.95

MODEL SF-5300
#1671137

SHARP 128KB BUSINESS ORGANIZER w/WIDE SCREEN DISPLAY



In today's world, it's sometimes hard to keep track of where you've been, who you've seen, and where you're going, but now it's as easy as saying "S.H.A.R.P!" With this deluxe business organizer, you can store approximately 2,470 names and numbers or 1,740 schedule appointments (128K), but that's just the beginning, the unit's internal memory can be allocated between 10 major built-in functions: An integrated schedule and to-do list with 3 different calendar views, 3 phone/address books, business card file, memo pad, outliner, home and world time clocks, and a calculator. You can send/receive electronic mail using built-in terminal emulation software and an optional PC modem, as well as, exchange data with your PC or Mac using an optional PC interface software and cable package. A must for any business person on-the-go at only...

$199.95

MODEL YO-610
#1753444

PALMTOP COMPUTERS

PSION SERIES 3 POCKET SIZED 256KB COMPUTER

W/ BUILT-IN SPREADSHEETS

Psion has redefined the state-of-the-art in hand held computers with the new Series 3. It may be small, but this pocket-sized programmable computer comes equipped with features found in desktop machines plus powerful built-in software, including a full specification word processor and outliner that's compatible with Microsoft word. When using the Series 3 you will quickly learn from the system of graphic displays and option list how easy the Series 3 is to use. And with Psion's unique Multitasking Operating System, as many of the facilities as you want can be used at the same time! Other features include an automatic phone dialer, world information, a time and personal management file, powerful graphics programming language (OPL/w) which will enable you to write your own applications and two expansion ports for plug in SSD devices for unlimited memory and software.

$299

MODEL SERIES 3
#1763861

SHARP 512K PERSONAL ORGANIZER w/TOUCH SCREEN TECHNOLOGY

This Sharp Wizard lets you leave your portable computer at home but puts the power of that computer in your pocket! Here's a small sampling of the innovative features. Touch screen technology which allows you to write or draw on the screen using the Wizard pen, filer which organizes related data into folders that can be transferred to another touch screen Wizard via infared, and a true word processer with a large screen display and a keyboard that's 75% the size of a standard PC keyboard. The possibilities are endless at only...

$479

MODEL OZ-9600 II
#1797152

HEWLETT PACKARD *Authorized Dealer* 1MB PALMTOP COMPUTER

w/80 x 25 FULL SCREEN MS-DOS 5.0

It's here! The smallest, lightest HP PC ever comes equipped with complete organizer software to manage your time, tasks and data, plus you can retrieve information instantly with a full range of built-in personal productivity tools. The pull-down menus and dialogue boxes make it simple to master the familiar commands, and the high-resolution display with zoom option is easy to read ! With Lotus 1-2-3 built-in you will have full spreadsheet capability, including graphics and macros. Also includes CC:Mail built-in. Now only...

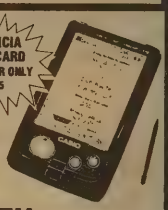
$699

MODEL HP-100LX
#1788150

PDAs

CASIO PERSONAL DIGITAL ASSISTANT

1MB PCMCIA MEMORY CARD AVAILABLE FOR ONLY $149.95



DOS COMPATIBLE W/GEOS OPERATING SYSTEM

Now an amazing device, no bigger than a small paperback book, can store your hand written notes and sketches, arrange your calendar, keep track of hundreds of phone numbers and addresses, help organize your personal finances, perform complex mathematical calculations, give you easy access to electronic mail and a host of sophisticated on-line information services. With up to 100 hours of operation from 3AA Alkaline batteries, and S-RAM or Flash card compatibility, the versatility and performance of this PDA is unmatched at only...

PRICE BREAK

$599

MODEL Z-7000
#1815308

SHARP Newton™ EXPERT PAD PERSONAL DIGITAL ASSISTANT

The only Newton with a Protective Screen Cover built-in

Introducing Sharp's Expert Pad, a personal digital assistant. The Expert Pad combines Newton Intelligence™ and Sharp's touch-sensitive LCD technology to bring you a new type of personal information tool that learns to recognize your handwriting (either cursive or print) and remembers your work habits. The Expert Pad offers a more natural way to input information (works similar to a paper and pencil). It provides advanced, integrated organization of your information and communications capabilities.

$576

MODEL PI-7000
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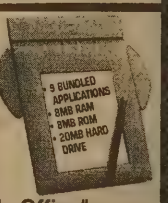
AT&T EO PERSONAL COMMUNICATOR



"The First Truly Handheld Mobile Office"

The AT&T EO Personal Communicator is the most revolutionary advancement in Communication Technology to appear in years. By combining Faxing capability (by either Phone Line using the built-in modem, or wireless using an optional cellular module), E-Mail, Data Access, and Pen-Based computing in a single 2.2 LB Handheld Unit, the AT&T EO Personal communicator is what you need today to stay ahead in business. A COMPLETE mobile solution. A solution that keeps you in touch anytime and anywhere!

$2399

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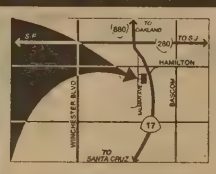

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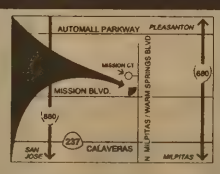

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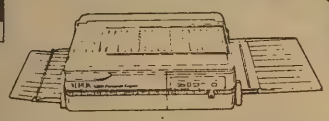
XEROX PERSONAL COPIER

XEROX Authorized Retailer

3 YEAR Warranty TOTAL SATISFACTION GUARANTEE



Don't settle for a copy when you can have the original... Xerox. Xerox is so confident in the quality and reliability of its copiers that it offers an exclusive 3 year warranty on all its copiers. This model offers a paper tray that stacks 40 sheets, a built-in carrying handle and removable storable paper trays, multi-copy capability which can be set from 1 to 9 copies or "C" for continuous up to 20 copies, and automatic exposure which scans documents for degrees of lightness or darkness to determining the appropriate exposure setting. An invaluable addition to any home office. At only....

Model 5220
#1706095

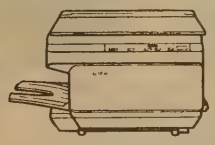
DRY INK CARTRIDGE NOT INCLUDED

$497

XEROX COPIER w/REDUCTION & ENLARGEMENT

XEROX Authorized Retailer

3 YEAR Warranty TOTAL SATISFACTION GUARANTEE



If you're looking for versatility and premium performance in a copier your search is over! Xerox has designed a copier that incorporates reduction/enlargement technology enabling you to reduce a copy 75% and 95%, and enlarge to 124%, a 250 sheet paper tray which adjusts to hold memo to letter to legal size paper, built-in automatic exposure which scans documents for degrees of lightness or darkness to determine the appropriate exposure setting, multi-copy capability of 1 to 50 copies, letter and legal size copying, and manual bypass, all backed by the experts at team Xerox. Now just...

Model 5009
#1706109

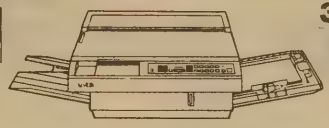
DRY INK CARTRIDGE NOT INCLUDED

$797

XEROX SMALL BUSINESS COPIER w/REDUCTION & ENLARGEMENT

XEROX Authorized Retailer

3 YEAR Warranty TOTAL SATISFACTION GUARANTEE



Xerox engineers have developed an affordable copier for businesses with high volume demands. The included copy cartridge is designed to deliver 18,000 copies and is guaranteed to deliver 16,000 before needing replacement. Other features include a 250 sheet paper tray, automatic exposure, photo mode to make clear copies of photographs, a graphic display which indicates the location of jammed paper, that the paper tray is empty, and that the copy cartridge is nearing the end of its life, a multi-copy button that can be set from 1 to 99 copies, dual electonic meters which displays the number of copies made by the cartridge in use and the total number of copies made by the copier, an output tray that collects up to 110 finished copies, and much more. An excellent investment at...

Model 5011
#1706121

$1597

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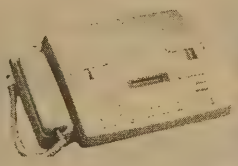
FAX MACHINE W/PAPER CUTTER

THERMA PLUS PAPER — IT FEELS LIKE PLAIN PAPER



ACS ANTI-CURL SYSTEM™

Brother's breakthrough fax machine incorporates newly developed therma plus technology which uses fax paper that feels like plain paper and reduces print fading (lasts 3 times longer than thermal paper under normal filing conditions, and you can even use a highlighter!). Other features include, 15 page document feeder, 60 station memory, 16 level grey scale, activity report, polling and much more for only...

MODEL FAX-600
#1705603

$339

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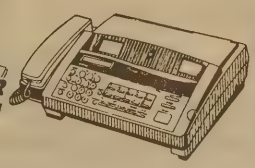
THERMA PLUS PAPER — IT FEELS LIKE PLAIN PAPER



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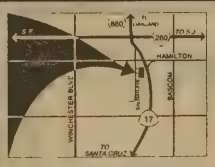

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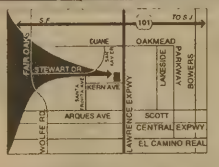

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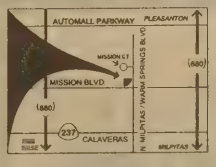

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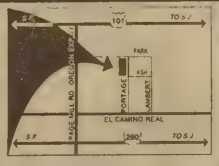

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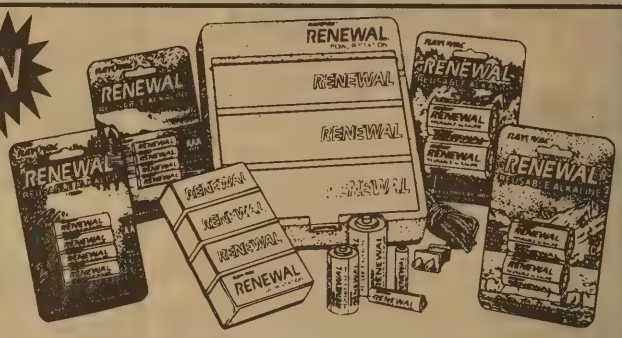

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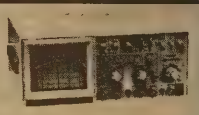

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FLUKE 87 4.5 DIGIT TRUE RMS DIGITAL MULTIMETER

19,999 Count high resolution mode, plus 1ms Peak Min/Max Hold.
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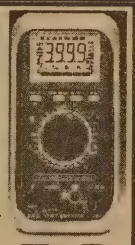

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S.M.S.

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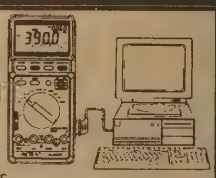

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This new meter will let you download your measurements into your PC. Come see the new Metex DMM

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Model 33 is a versatile digital multimeter with an impressive range of capabilities offered at an incredible price. This unit has data-hold functions and a basic accuracy of 0.5%, also audible continuity and fused 20A input.

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Studies show that over 95% of computer problems are due to brownouts, surges, and damage to circuitry resulting in over-heating, permanent damage, and loss of user time. Since the actual voltage level delivered to your equipment by the utility company may be higher or lower than what is required for safe operation, it's up to you to protect your equipment. Five models feature both undervoltage and overvoltage regulation and range from 300VA to 2400VA. Each model filters out unwanted noise and utilizes SL Waber's® patented 3-stage surge suppression design consisting of metal oxide varistors, gas tube, and silicon avalanche diode; all providing protection against surges up to 72,025 amps!

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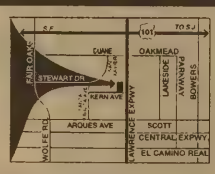

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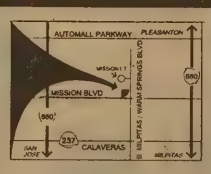

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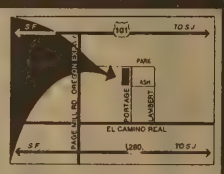

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15 Watt Solder Iron
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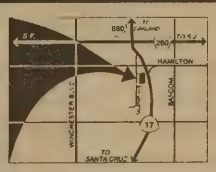

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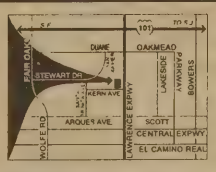

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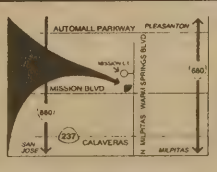

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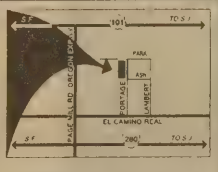

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PC Hardware

ANTHURIUM PCI LOCAL BUS SYSTEM

Anthurium's PCI Local Bus system is powered by a 486DX2-66 processor, housed in a full-size tower case. Intel's PCI Local Bus offers 35% increased performance over the VESA Local Bus and features the Intel Saturn 82420 chipset, 256K cache onboard (upgradable to 512K), and three PCI Local Bus slots. The system includes 8MB of RAM (expandable to 128MB), 500MB SCSI II hard drive, 1.2MB and 1.44MB floppy drives, 15" SVGA monitor, 124-key keyboard, three-button mouse, two serial and one parallel ports, and MS-DOS 6.0. ($2699) Anthurium Technology, Inc., 16371 Gothard St., Unit D, Huntington Beach, CA 92648. (714)375-0210.

ENPOWER 486DX2-80

Using individually selected and tested 66MHz Intel 486 processors that can run at 80MHz, PC Club has developed a proprietary motherboard that will let you work this higher speed. They have also designed the Crystal Cooler to handle the heat problems. The system includes a Pentium ready ZIP socket on the motherboard, three VESA Local Bus slots, 4MB of RAM (expandable to 64MB), 1MB of VRAM, 340MB hard disk drive, 1.2MB and 1.44MB floppy drives, 101-key keyboard, MS-DOS 6.0, and Windows 3.1. ($1999) PC Club, Inc., 18537 E. Gale Ave., #B, Industry, CA 91748. (818)913-2582.

NEC POWERMATE 486ES SERIES

The PowerMate 486es Series represents NEC's second generation of economical PowerMate PCs for the general business user. NEC has incorporated a roster of advanced features, including compliance with the EPA's Energy Star Program, accelerated local bus video technology, second level cache, and a scalable architecture. All PowerMate 486es systems support a built-in CD-ROM drive and ship with 1MB of video memory, 4MB of RAM (expandable to 36MB), three expansion slots, three device bays, a 1.44MB floppy disk drive, preinstalled MS-DOS 6.0 and Windows 3.1, and an NEC keyboard and mouse. (PowerMate 425es, $975; PowerMate 433es, $1199; PowerMate 466es, $1619) NEC Technologies, Inc., 1414 Massachusetts Ave., Boxborough, MA 01719. (508)264-8000.

VIDEOTIGER

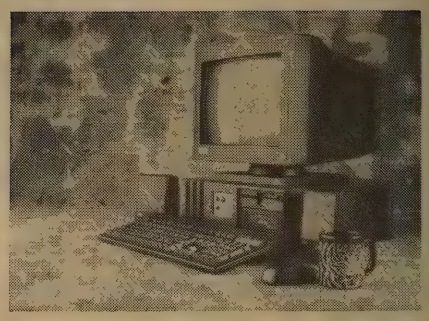
VideoTiger is a multimedia PC suited for small-business users. It combines CD-quality sound, full-motion video, and high resolution. With VideoTiger, you can create your own videos and multimedia presentations, play audio CDs, and handle all your business computer tasks. Based on a 33MHz, 486 processor, it includes 8MB of RAM, CD-ROM drive, SVGA monitor, 16-bit sound card, stereo speakers, and Xingit!, a thirty-frames-per-second video card. Xingit! provides real-time video capture, so you can freeze a video frame and print out a high-resolution copy of it, and MPEG compression, so you use less space to store your information. ($3995) Quadrant Components, 4378 Enterprise Street, Fremont, CA 94538. (510)656-9988.

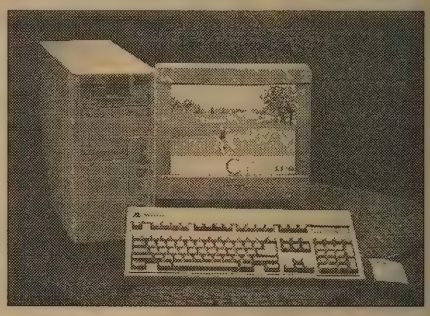
MICRO EXPRESS MICROFLEX-VL/S

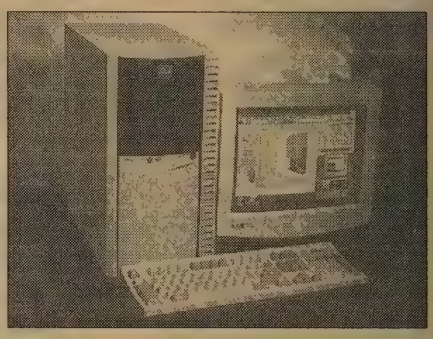
Based on the 40MHz, Cyrix Cx486S, the new MicroFLEX-VL/S can outperform PCs based on the Intel 486DX2-66. While the 486DX2-66 chip operates internally at 66MHz and externally at 33MHz, the 40MHz Cx486S chip operates both internally and externally at 40MHz. This means that the VESA local bus components, such as the video and disk drive controllers operate at 40MHz instead of at only 33MHz. The MicroFLEX VL/S comes with 4MB of RAM, a 200MB hard disk drive with VESA caching controller, both 5.25" and 3.5" floppy drives, a VESA-standard local bus video card, SVGA monitor, math coprocessor, a mouse, MS-DOS 6.0, and Windows 3.1. ($1795. For an additional $25 each, PFS:WindowWorks v2 and PFS:Publisher for Windows will be bundled with the system) Micro Express, Inc., 1801 Carnegie Ave., Santa Ana, CA 92705. 1-800-989-9900.

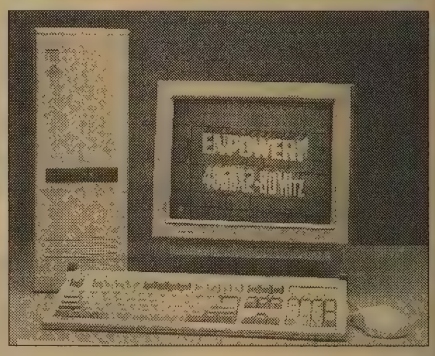
ALR EVOLUTION V STP

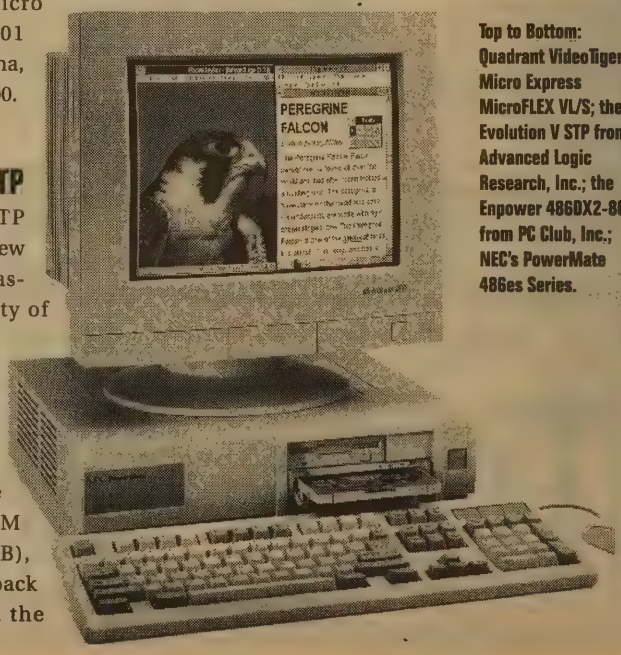
The Evolution V STP (Sport Tower PCI) is a new sport tower-styled chassis, offered in a variety of configurations using the Intel 60 and 66MHz Pentium processor. The systems include nine slots, four of which are PCI slots, 8MB of RAM (upgradable to 192MB), and 256K read/write-back cache. Integrated on the











Top to Bottom: Quadrant VideoTiger; Micro Express MicroFLEX VL/S; the Evolution V STP from Advanced Logic Research, Inc.; the Enpower 486DX2-80 from PC Club, Inc.; NEC's PowerMate 486es Series.

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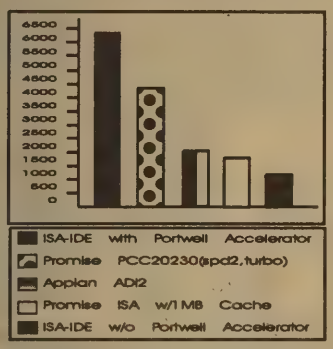

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CoreTest Ver.2.92
Maxtor7345AT340MB IDE DiskDrive
UMCChipset, Intel486DX-50MHz

The Portwell VLB IDE Accelerator is a new, low-cost, high performance, fast data transferring interface board for VESA LB computers. It includes an ISA 16-Bit FD/IDE hard drive controller with 2 serial, 1 parallel, and 1 game port along with Portwell's new innovative VLB IDE Accelerator which can improve your hard drive's performance by up to 5 times!

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- Supports two IDE hard drives

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ULTRASTOR 14F 10MB/sec	192
PORTWELL XL-221 ISA SCSI w/CD-ROM, MO Drivers	78
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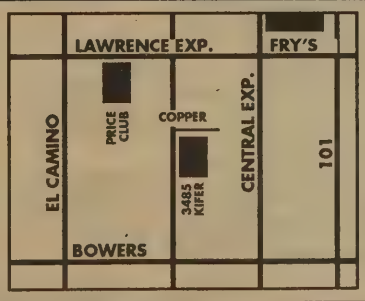

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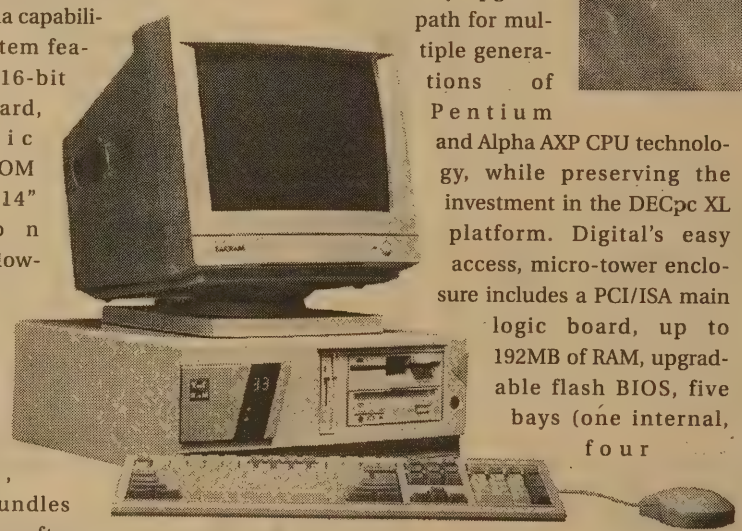
PC Hardware

STP motherboard is a PCI-based 32-bit fast SCSI II interface providing high-speed access to as many as seven SCSI devices. The new sport tower-styled chassis is designed for network environments and holds a total of six drive bays for a total of up to 6GB of data storage. ($3295) Advanced Logic Research, Inc., 9401 Jeronimo, Irvine, CA 92718. (714)581-6770.

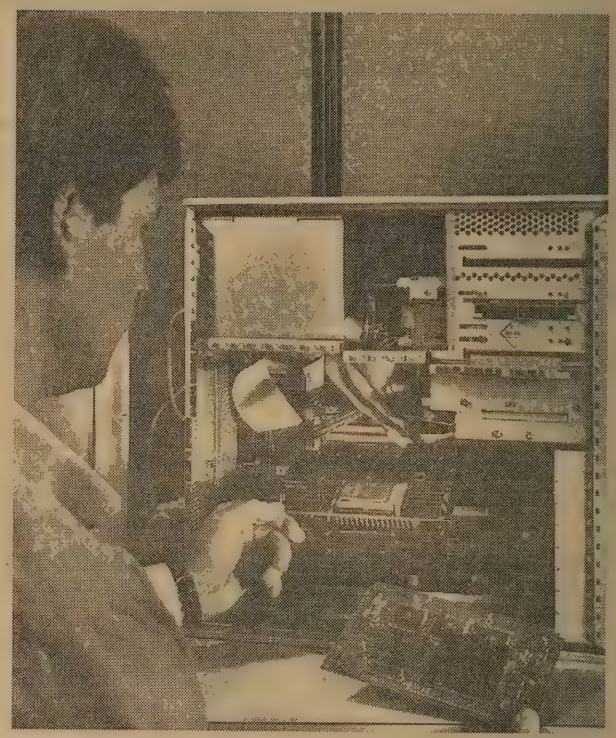
TAGRAM CONCERTO HI-NOTE

Available with an Intel 486DX-33, DX2-50 or DX2-66 processor, the Concerto Hi-Note includes a Pentium ready, VESA Local Bus motherboard, 4MB of RAM (expandable to 32MB), 128K cache (expandable to 256K), numeric coprocessor, AMI BIOS, five 16-bit and two 32-bit VLB slots, 250MB hard drive, seven bay desktop case, and 101-key keyboard. Providing powerful multimedia capabilities, the system features the 16-bit sound card, Panasonic CR562 CD-ROM drive, and 14" Proton Multimedia low-radiation monitor with built-in stereo dual speakers. In addition, Tagram bundles multimedia software (MS Works Multimedia version, Asymetrix MediaBlitz, Voice Recognition software, Monologue for Windows, MS-DOS 6.0, Windows 3.1, and more) and six CD-ROM titles. ($2059) Tagram Systems Corp., 1451-B Edinger Ave., Tustin, CA 92680. (714)258-3222.



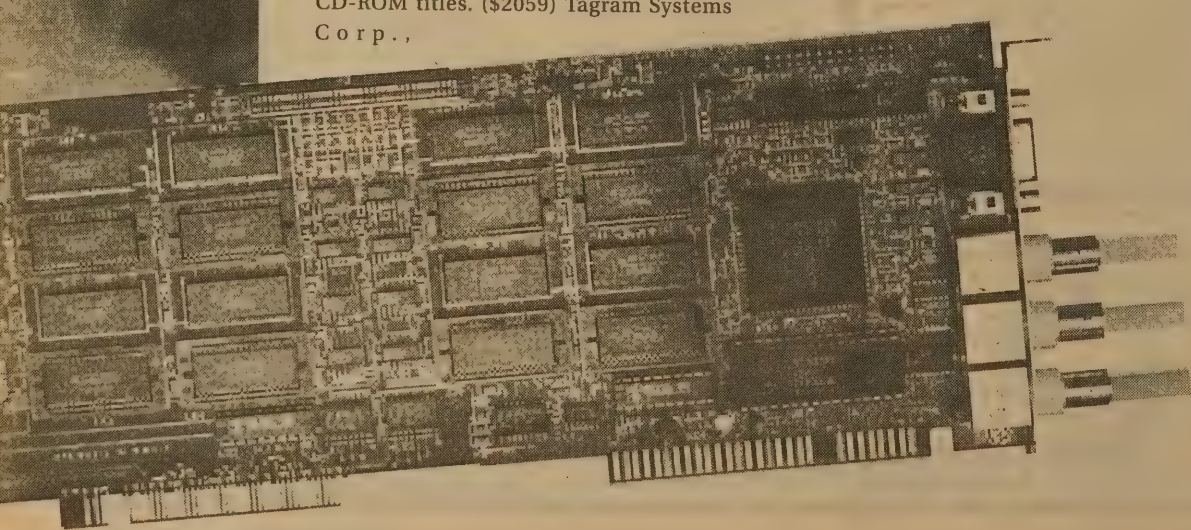
DECPC XL SERIES

The series is comprised of four new system models—DECpc XL 433dx, DECpc XL 466d2, DECpc XL 560, and DECpc XL 566—offering users the choice of a high-performance i486 or Pentium processor. Using a unique motherboard/daughterboard modular approach, the series is designed to provide users with an easy upgrade path for multiple generations of Pentium and Alpha AXP CPU technology, while preserving the investment in the DECpc XL platform. Digital's easy access, micro-tower enclosure includes a PCI/ISA main logic board, up to 192MB of RAM, upgradable flash BIOS, five bays (one internal, four external), and six slots (two PCI, three ISA, and one Interleaved). In addition, the thermal design of the system box features two variable speed fans that are heat sensitive and activate automatically. (DECpc XL 433dx, $2899 includes 8MB of RAM, 340MB SCSI hard drive, 3.5" floppy drive, S3-928PCI local bus video, 1MB of VRAM, dual SCSI CD-ROM, MS-DOS, Windows, mouse, and keyboard.) Digital Equipment Corp., Maynard, MA 01754-2571. 1-800-210-1408.



PEGASUS PCI ACCELERATOR BOARD

The Pegasus PCI is a PCI Local Bus-compatible graphics accelerator that is capable of displaying 16.7 million colors at resolutions up to 1024 x 768. To simplify installation and provide easy access to configuration menus, the Pegasus PCI comes with an install utility that makes it possible to change monitor resolution and color settings from a Windows menu accessed by double clicking on an icon. Also included is a PowerStar power management utility that will allow a user to reduce their monitor's power usage after a specified time period. The Pegasus PCI comes standard with a BNC-style RGB connector and VGA 15-pin D-sub connector. ($999 with 4MB of VRAM) STB Systems, Inc., 1651 N. Glenville, Richardson, TX 75081. (214)234-8750.



Top: DECpc XL Series from Digital Equipment Corp.; Middle: the Concerto Hi-Note from Tagram Systems Corp.; Left: the Pegasus PCI Accelerator Board from STB Systems, Inc.

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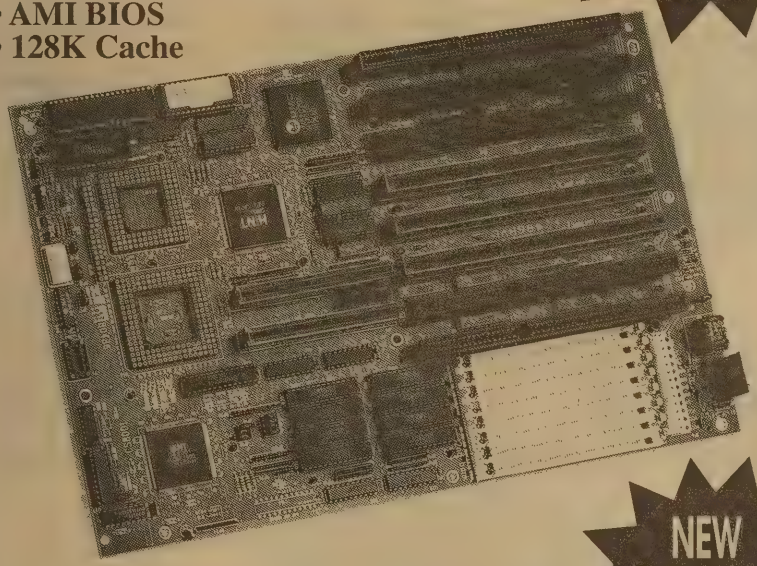
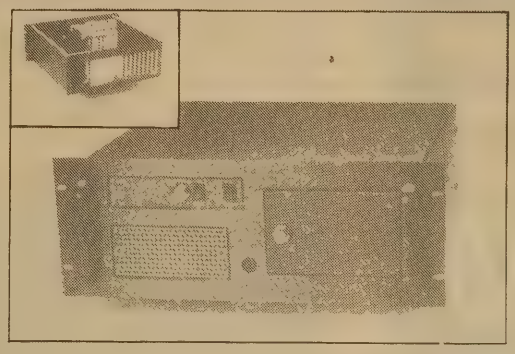


RACK MOUNT COMPUTER ENCLOSURES



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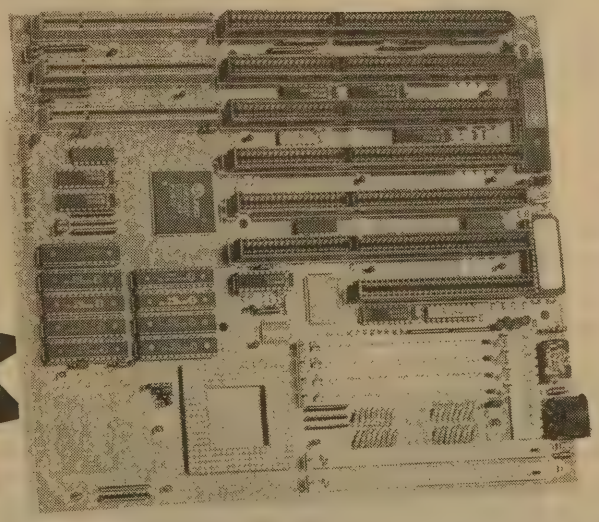

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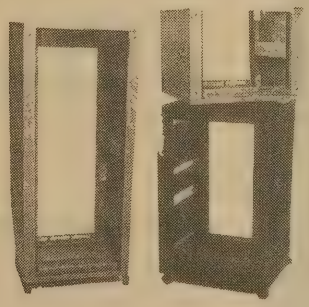

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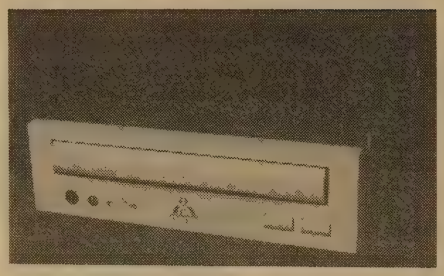
PC Hardware

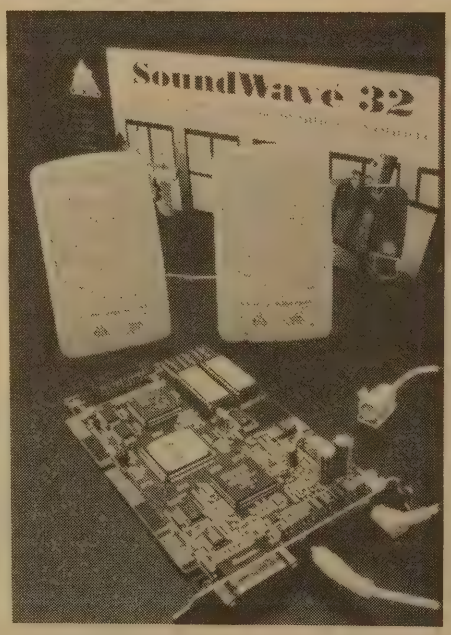
VIDEOBLITZ BOARD

VideoBlitz is a high-performance VESA Local Bus graphics accelerator designed for users of graphics programs such as Windows, OS/2, and AutoCAD. It is based on the Weitek P9000 GUI accelerator chip and comes standard with 2MB VRAM, delivering high speed with rich color at non-interlaced resolutions up to 1600 x 1200. Unlike many other graphics cards, it delivers 16.8 million colors at the popular 800 x 600 resolution. VideoBlitz's installation program guides users through the configuration process quickly and easily. It is compatible with most VESA Local Bus 486-based systems. ($549) Genoa Systems, Inc., 75 E Trimble Rd., San Jose, CA 95131. (408)434-0997.



ORCHID SOUNDWAVE 32

The SoundWave 32 sound card, based on the Analog Devices 2115 digital signal processor (DSP), combines complete multimedia compatibility with simultaneous sound standards support. It can process over twenty million instructions per second, enabling the SoundWave 32 to accurately emulate a wide number of sound and synthesizer architectures, including Yamaha's OPL synthesizers and the Roland MT-32 sound module. For realistic sounds, this card has over 8MB of high-quality sound samples onboard. And for complete multimedia compatibility, the SoundWave 32 also features dual CD-ROM interfaces for Orchid, Sony, and Mitusmi CD-ROM drives. Interface connections include stereo speakers output (speakers included), a line output for connecting the SoundWave to a home stereo, a microphone input (microphone included), and a line input for external audio devices. ($299 and comes bundled with Macromedia Action, Asystem's Sound Impression, and other Windows-based sound utilities) Orchid Technology, Inc., 45365 Northport Loop W., Fremont, CA 94538. (510)683-0300.



Top to bottom: Orchid CDS-3110 CD-ROM drive; Toshiba XM-4101 CD-ROM drive; Orchid SoundWave 32 sound card.

ORCHID CDS-3110 CD-ROM DRIVE

The CDS-3110 from Orchid Technology is a high-performance CD-ROM drive for multimedia use. It supports all of the major multimedia CD specifications, allowing the Orchid drive to play back CD-ROM titles that merge sound, graphics, text, animation, photo images, and full-motion video on a single track. The front panel controls also let users play an audio CD without having to run any software. The CDS-3110 is available in three configurations: internal, external, and as a multimedia upgrade kit. Both internal and external kits come complete with Orchid's SoundWave 32 sound card. The multimedia upgrade kit also includes bundled software from Macromind, Aristosoft, and others, in addition to self-powered speakers, a microphone, and home audio interface cables. (Internal kit, $349; External kit, $449, and multimedia upgrade kit, $649) Orchid Technology, Inc., 45365 Northport Loop W., Fremont, CA 94538. (510)683-0300.

TOSHIBA XM-4101 CD-ROM DRIVE

The XM-4101 offers affordable high-performance CD-ROM drives. The drives have an access time of 320 milliseconds and transfer at a rate of 300K per second. They also include a 64K buffer, to further speed the transfer of information, and an audio jack. The drives meet the MPC-2 standards and work with Kodak multisession Photo CD. A slim, 1" high profile fits computers and docking stations that utilize 1" high peripherals. The power requirement is only 3 watts. The XM-4101B is an internal drive, and the TXM-4101L is an external drive. Both drives can work with either PCs or Macintosh computers. ($320 for the XM-4101B; and $410 for the TXM-4101L) Toshiba America Information Systems, Inc. 9740 Irvine Blvd., Irvine, CA 92718. (714)457-0777.

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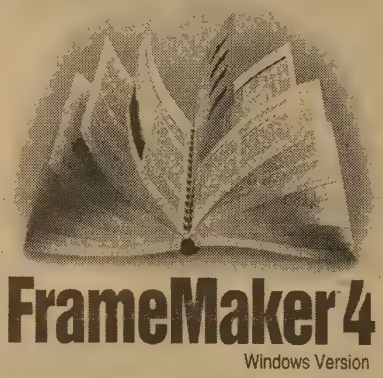
CHECKIT PRO: ANALYST

CheckIt Pro: Analyst is a Windows-based diagnostic utility that provides comprehensive system analysis. It will be simple to collect configuration and performance data, test hardware integrity, and access an extensive technical reference library. In addition, CheckIt Pro: Analyst can evaluate a system to find changes, compare performance with other systems to determine upgrade needs, assess the compatibility of hardware and software upgrades, and recommend setup specifications for add-on equipment. ($149.95) TouchStone Software Corp., 2130 Main St., Suite 250, Huntington Beach, CA 92648. 1-800-531-0450.

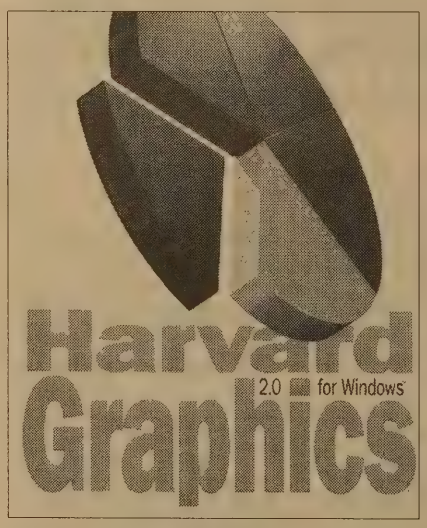
FRAMEMAKER 4.0 FOR WINDOWS

FrameMaker 4.0 includes more than one hundred new features and enhancements designed to make the power of this application more accessible and easier to use for creating demanding documents in advanced desktop computing environments. Version 4 offers a redesigned user interface to improve access to frequently used features as well as significant new capabilities such as formatting features that allow users to more easily design their documents, an innovative document comparison feature, enhanced word processing, and advanced color and graphics. Frame Technology has also extended the power of FrameMaker by adding flexible menus that VARs and system administrators can customize to meet specific user needs. Along with the introduction of FrameMaker 4.0 for Windows, Frame is introducing versions for Sun SPARCstations, HP workstations, and Macintosh computers. (Windows 3.1 and Macintosh, $895; Sun and HP, personal license, $1295, shared license, $2495) Frame Technology, Inc., 1010 Rincon Circle, San Jose, CA 95131.



BRIOPUBLISH, FRAMEMAKER EXTENSION

Utilizing FrameMaker's new C-based API, BrioPublish extends the power of FrameMaker 4 by bringing extensive client/server database access capabilities to its users. This easy-to-use database publishing tool for FrameMaker 4, is designed for publishers of professional database documents. BrioPublish automatically generates fully formatted FrameMaker 4 documents directly from information stored in a database, thereby eliminating manual cutting, pasting, and reformatting of corporate data into a document. The advantage of the BrioPublish database publishing solution is its close integration with FrameMaker 4. BrioPublish is completely accessible from within FrameMaker so users encounter a familiar interface. BrioPublish runs on both Windows and Macintosh computers. ($795) Brio Technology, Inc., 444 Castro St., Suite 700, Mountain View, CA 94041. 1-800-486-BRIO



CC:MAIL LINK TO UUCP 2.0

Lotus cc:Mail Link to UUCP v2.0 provides a gateway connecting cc:Mail email users to UNIX systems via the UNIX-to-UNIX Copy Protocol (UUCP). Outbound cc:Mail messages are translated to UUCP-format messages, where they can then be sent to and read by users on a UNIX host computer. Incoming UUCP mail messages are translated to the cc:Mail format. Key features in the new release are enhanced reliability through the provision of additional error checking and more robust asynchronous communications protocols; support for the transfer of multiple file types, including fax files and transmission of Macintosh file attachments; and simpler, more flexible procedures for installation and configuration. A Smart Addressing feature enables Lotus cc:Mail Link to UUCP to automatically match names in an existing cc:Mail Post Office with incoming UUCP messages, saving LAN administrators from having to manually create and maintain address-translation files. ($495, free upgrades to registered users of previous versions are available) Lotus Development Corp., 55 Cambridge Pkwy., Cambridge, MA 02142. (617)577-5800.

ALTAMIRA COMPOSER

Composer is a creative application designed for professional use by desktop publishers, graphic artists, photographers, and multimedia authors working in the Windows environment. Every image is a separate image object that is never pasted into a background image, but floats in a stack. In addition to featuring image objects, Composer allows users to perform hundreds of functions "on" and "between" these image objects with superior quality and flexibility. Users can move images not just horizontally and vertically, but up and down in a stack, covering up or revealing images that lie underneath. ($795) Altamira Software Corp., 150 Shoreline Hwy., Suite B27, Mill Valley, CA 94941. (415)332-5801.

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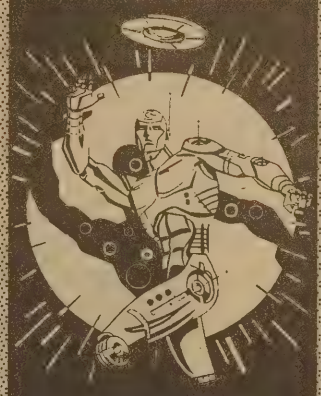

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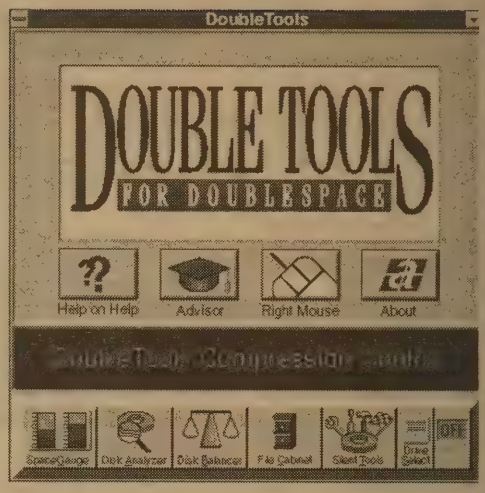
tions and offers special advice on creating more effective visuals. In addition to Design Tips, the Advisor offers Quick Tips and Quick Looks. Version 2.0 also features a Runtime Player that allows users to display their Harvard Graphics presentation on DOS or Windows systems, even if Harvard Graphics is not loaded. ($395; users of previous Windows or DOS versions and users of competitive presentation graphics products can upgrade to v2.0 for $125) Software Publishing Corp., 3165 Kifer Rd., PO Box 54983, Santa Clara, CA 95056-0983. 1-800-234-2500.

DYNO NOTEPAD FOR WINDOWS

Dyno Notepad is a flexible and compact PIM outliner that helps users organize their thoughts, write correspondence, and create "to-do" lists. Users can work with Dyno Notepad the same way they do with a familiar paper notepad. For example, they can capture their thoughts, outline them, write basic documents, prioritize action items, develop proposals, and keep lists of things to accomplish. Notebook and mobile PC users can use Notepad to compose documents while traveling, then later bring their outliners and other documents into word processors for final formatting. Corporate and small-business workgroups—which may have both Windows and Macintosh computers—can use it to share notes on a network between groups. ($59.95) Portfolio Software, Inc., 10062 Miller Ave., Cupertino, CA 95014-3471. (408)252-0420.

ADDSTOR DOUBLETOOLS 1.0

DoubleTools is a Windows-based enhancement utility for the DoubleSpace data compression feature of MS-DOS 6.0. It provides extensive graphic displays in the Windows environment to help MS-DOS 6.0 users to manage disks and files compressed by DoubleSpace, and extends DoubleSpace support to removable media such as floppy and Bernoulli disks. This utility offers background defragmenting of disks, environment-sensitive help, simplified file sharing, and automatic mounting of removable media. In addition, DoubleTools supports Universal Data Exchange (UDE), which enables users to read and write to compressed files on any DOS system. ($99.95) Addstor, Inc., 1040 Marsh Rd., Menlo Park, CA 94025. (415)688-0470.



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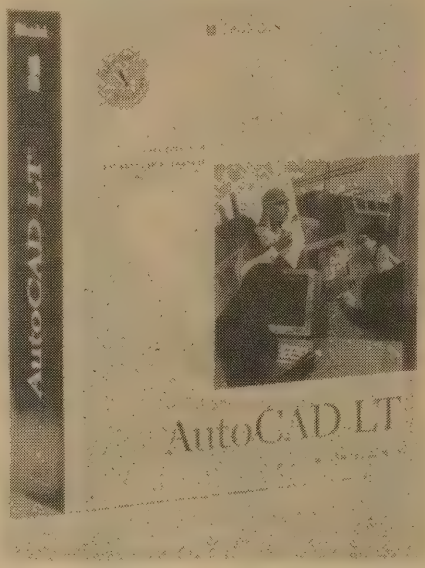

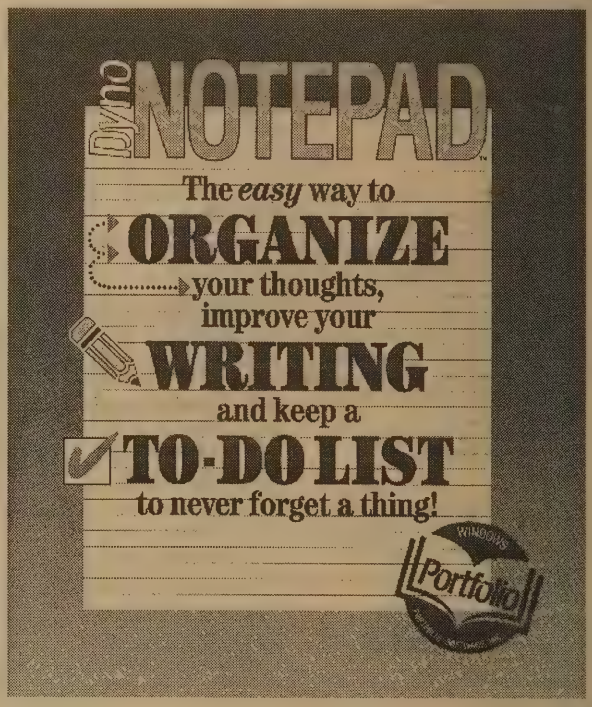

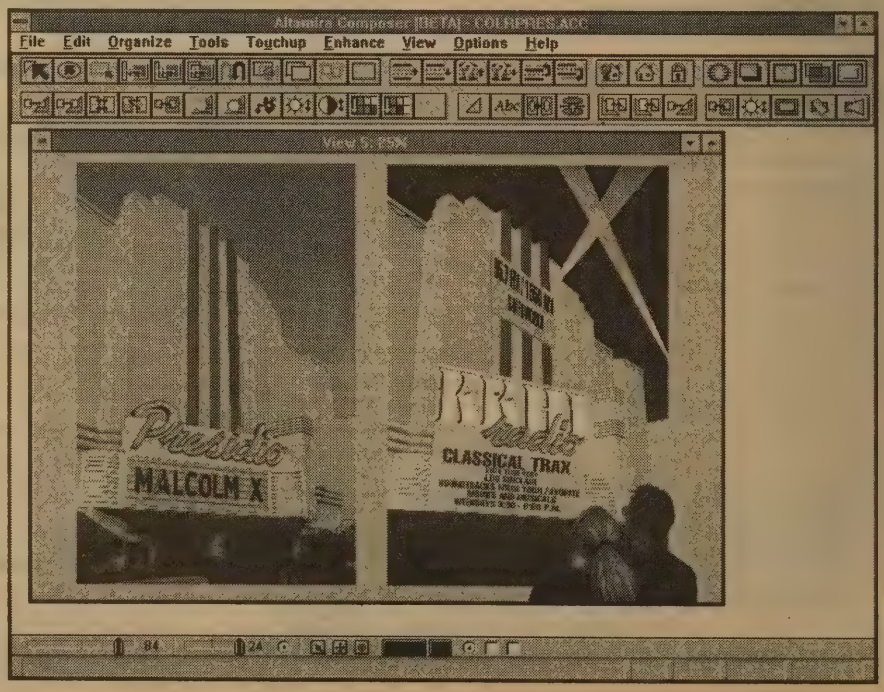

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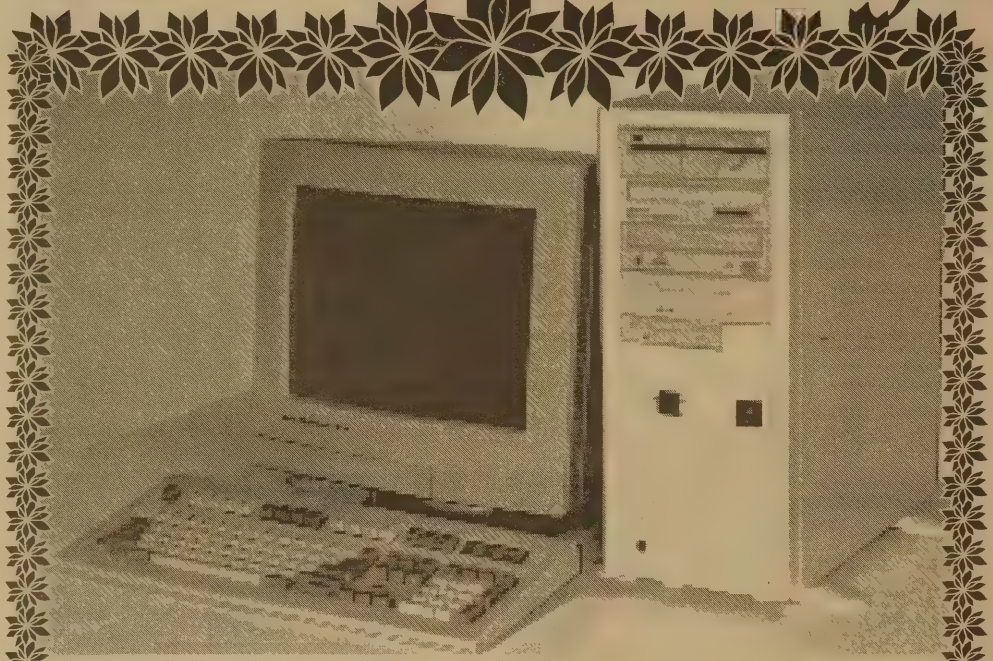

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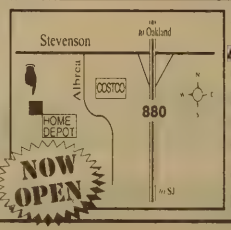

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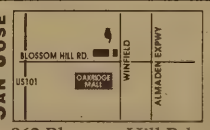

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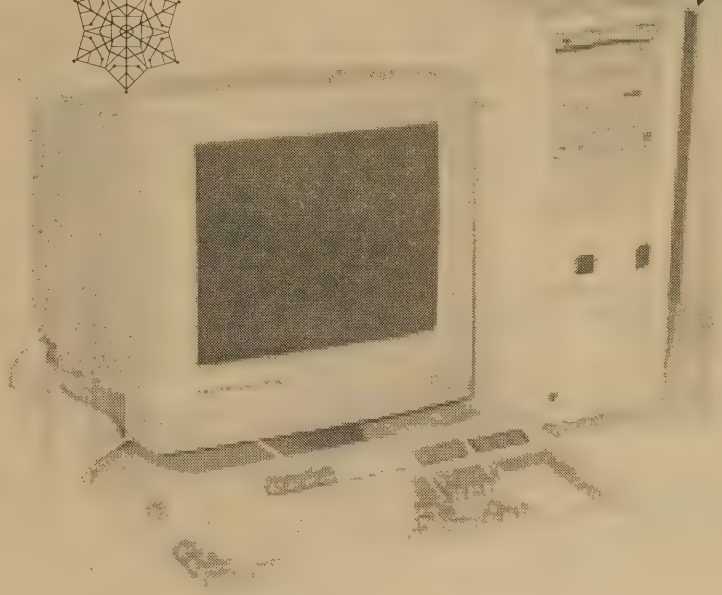

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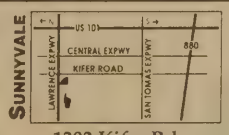

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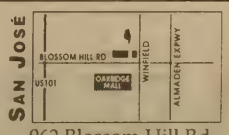

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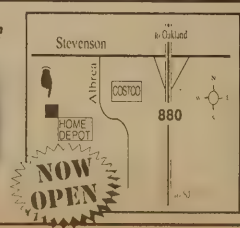

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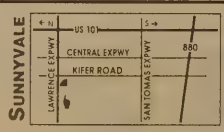

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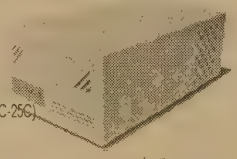

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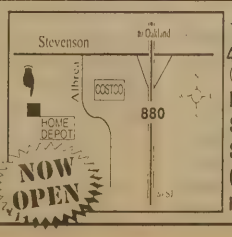

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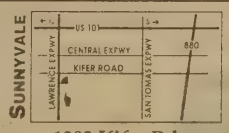

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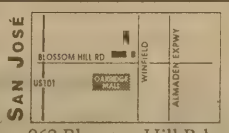

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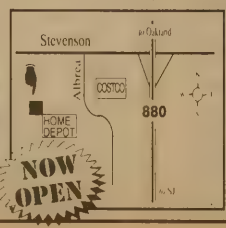

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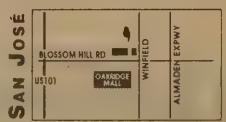

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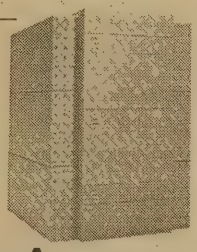

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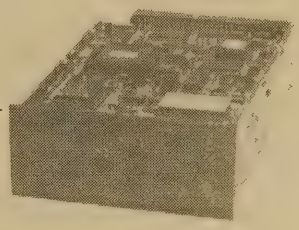
M2624FA

- 3.5" HH Drive
- 12ms Seek Time
- 240K Read/Write Cache(SCSI)
- 5-Year Warranty



$569

IDE

CAPACITY	M/N	CACHE	SPEED	SIZE	PRICE
520MB	M2624T	64K	12ms	3.5"	$639

SCSI

CAPACITY	M/N	CACHE	SPEED	SIZE	INTERNAL	EXTERNAL
425MB	M2623FA	240K	11ms	3.5"	$549	$669
520MB	M2624FA	240K	12ms	3.5"	$569	$689
1.0GB	M2694ESA	256K	10ms	3.5"	$879	$999
2.0GB	**M2654SA**	**256K**	**12ms**	**FH**	**$1499**	**$1699**

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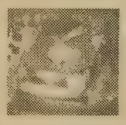
1.05GB 3.5" SCSI-II

Formatted Capacity

- HP C2247
- 10.5ms Seek Time
- 5400RPM
- 300,000 MTBF
- 5-Yr. Warr.
- Up to 24 Mbits/s Trans. Rate
- Up to 10 Mbytes/s Trans. Rate (synchronous)



EXTERNAL.....$1129 **$999**

2.1GB 3.5" FAST SCSI-II

- HP C2490
- 8.9ms Seek Time
- 6400RPM
- 500,000RPM
- 5-Yr. Warr.
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- Up to 10Megabytes/s (synchronous)

EXTERNAL.....$2229 **$2099**

2.47GB FAST SCSI-II

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- HP C3010
- 11.5ms Seek Time
- 5400RPM
- 300,000 MTBF
- 5-Yr. Warr.
- Up to 24 Mbits/s Trans. Rate
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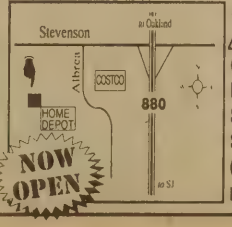

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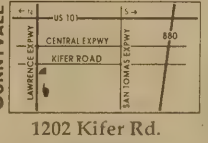

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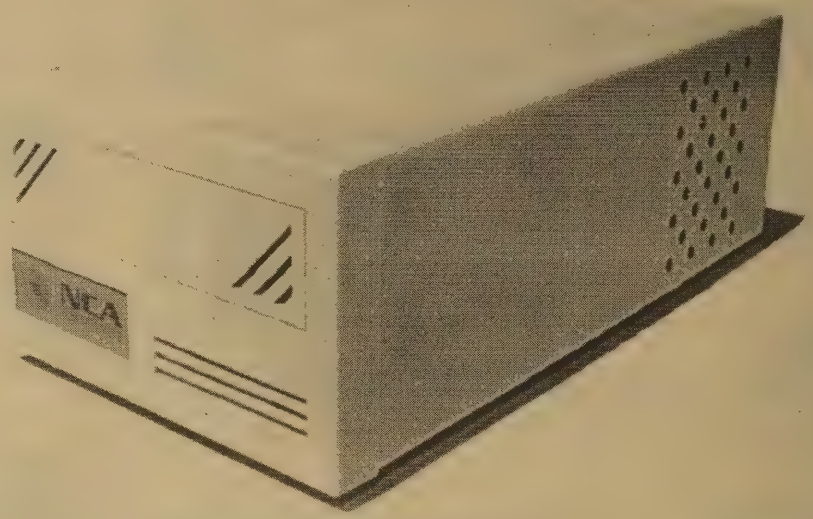

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SIZE	MAKE	SPEED	WARRANTY	PRICE
Formatted				
85Mb	Quantum	17ms	2Yr	$289
127Mb	Quantum	17ms	2Yr	$309
170Mb	Quantum	17ms	2Yr	$329
240Mb	Quantum	Fast	2Yr	$369
240Mb	Seagate	12ms	1Yr	$459
245Mb	Maxtor	15ms	2Yr	$349
345Mb	Maxtor	15ms	2Yr	$449
456Mb	Seagate	10ms	1Yr	$679
520Mb	Fujitsu	12ms	5Yr	$689
525Mb	Quantum	10ms	2Yr	$669
525Mb	Seagate	10ms	1Yr	$799
540Mb	Maxtor	8.5ms	2Yr	$729
540Mb	Conner	12ms	1Yr	$639
700Mb	Quantum	fast	5Yr	$859
877Mb	Toshiba	12ms	5Yr	$829
1.0Gb	Micropolis	10ms	5Yr	$1089
1.0Gb	IBM	8ms	5Yr	$1199
1.0Gb	Seagate	10ms	5Yr	$1059
1.0Gb	HP	10ms	5Yr	$1129
1.0Gb	Toshiba	12ms	5Yr	$859
1.0Gb	DEC 31055	9.5ms	5Yr	$1129
1.0Gb	Fujitsu	10ms	5Yr	$999
1.2Gb	Quantum	10ms	5Yr	$1079
1.2Gb	Maxtor	8.5ms	3Yr	$1409
1.2Gb	Toshiba	12ms	5Yr	$979
1.37Gb	Conner	10ms	1Yr	$1119
1.6Gb	DEC	9ms	5Yr	$1359
1.7Gb	Micropolis	10ms	5Yr	$1499
2.1Gb	Seagate	8ms	5Yr	$2029
2.1Gb	HP	8.9ms	5Yr	$2229
2.1Gb	DEC	9ms	5Yr	$1929

NCAs
Barracuda II

Full Height Enclosures
FH Fixed SCSI Disk Drives

SIZE	MAKE	SPEED	WARRANTY	PRICE
Formatted				
1.0Gb	Micropolis	14ms	5Yr	$1169
1.4Gb	Micropolis	11ms	5Yr	$1899
1.4Gb	Seagate	15ms	1Yr	$1389
1.8Gb	Micropolis	14ms	5Yr	$1699
1.9Gb	Seagate	12.9ms	5Yr	$1689
2.1Gb	Seagate	11ms	5Yr	$1949
2.0Gb	Micropolis	11ms	5Yr	$2099
2.0Gb	Fujitsu	12ms	5Yr	$1699
2.0Gb	HP	11.5ms	5Yr	$1999
2.0Gb	**DEC**	**12ms**	**5Yr**	**$1499**
3.0Gb	Micropolis	11ms	5Yr	$2699
2.9Gb	Seagate	11ms	5Yr	$2499
3.5Gb	DEC	11.5ms	5Yr	$2899
4.0Gb	IBM	11ms	5Yr	$3899

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External
Non-Fixed SCSI Devices

SCSI BACKUP:

SIZE(UPTO)	MAKE	MODEL	TYPE	PRICE
250Mb	**WangTek**	**5150ES**	**1/4"**	**$379**
250Mb	Archive	2150S	1/4"	$449
525Mb	Archive	2525S	1/4"	$599
1.3Gb	Archive	2750S	1/4"	$899
2.0Gb	Archive	4540NT	4mm	$1149
4.0Gb	Archive	4324NT	4mm	$1299
2.2Gb	Exabyte	EXB8200	8mm	$1799
2.2Gb	Exabyte	EXB8205	8mm	$1749
5.0Gb	Exabyte	EXB8500	8mm	$2649
5.0Gb	Exabyte	EXB8505	8mm	$2599
2.0Gb	HP	35470	4mm	$1099
8.0Gb	HP	35480	4mm	$1199
2.0Gb	WangDat	3100	4mm	$1099
8.0Gb	WangDat	3200	4mm	$1199

MAC Backup Software — *add $ 79*
NovaBack for PC or WIN — *add $ 99*
Novell NLM for 250users — *add $449*

EXTERNAL SCSI CD ROMs:

MAKE	MODEL	ACCESS	TRANSFER	PRICE
TOSHIBA	3401B	200ms	330KB	$459
NEC	84-1	265ms	330Kb	$449
PANASONIC	532	290ms	200Kb	$449
CHINON	535	280ms	300Kb	$489
TEXEL	5028	265ms	300Kb	$399
PIONEER	604X	300ms	612Kb	$1199
TEAC	CD-50	265ms	300Kb	$419

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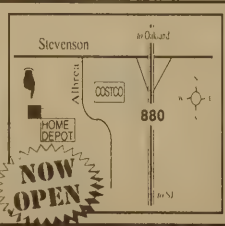

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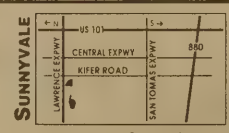

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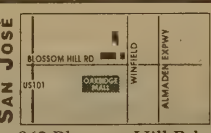

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1522	16-BIT 7HD/2FD KIT	$148
1542C	BUS MASTER COMPLETE KIT	$248
1542C+	BUS MASTER KIT WITH COREL SCSI	$314
1640	MICROCHANNEL FOR PS/2, 7HD	$319
2742	EISA KIT, 14HDS ••NEW••	$395

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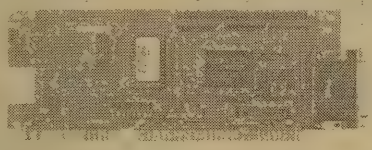

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FastDisk NC EISA non-cache SCSI cont.		$329
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SCSI CONTROLLERS

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BT542	BUSMASTER SCSI-II KIT	$219
BT445S	VESA SCSI-II KIT	$299
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T228	MICROCHANNEL, 7HD	$139
T338	PARALLEL PORT to SCSI ADAPTER	$109
T348	PARALLEL PORT to SCSI PLUS	$149

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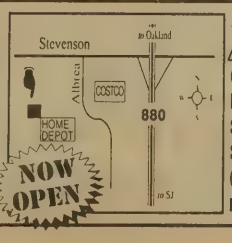

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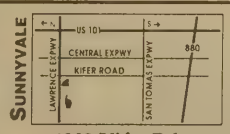

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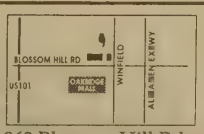

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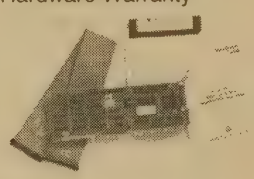

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- 3-Year Hardware Warranty

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- (1) 34-Pin, (2) 40-Pin cables
- Complete installation and user documentation
- Change Cards without re-formatting drives
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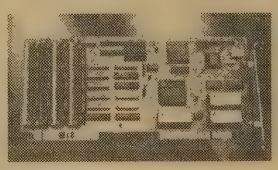

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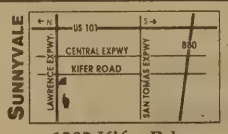

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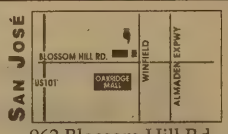

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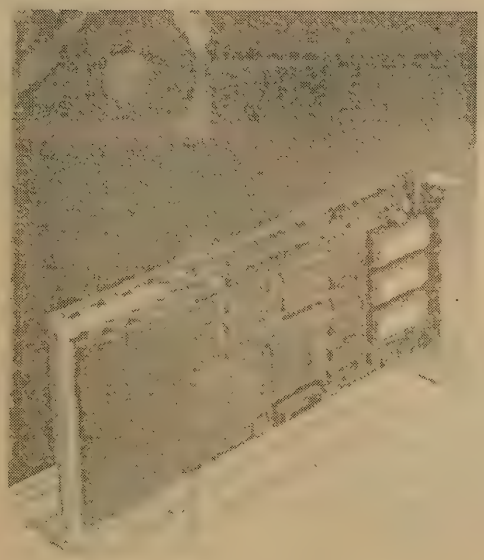

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- *Uses Standard SIMMS*

CACHING CONTROLLERS

IDE CONTROLLERS

DC-420 VESA Local Bus IDE Disk Accelerator

NEW!

- ▶ 2HD/2FD
- ▶ 512K On-Board (expandable to 1MB by adding four 256Kx4 DRAM)
- ▶ 16/32-Bit data transfer
- ▶ 15.6MB / Second transfer rate
- ▶ 0.1ms effective access time on average

$124.99

DC-4030VL-II VESA Local Bus

NEW!

- ▶ 4HD/2FD
- ▶ Expandable up to 16MB
- ▶ 19MB / Second transfer rate
- ▶ Primary or Secondary Controller
- ▶ 2.88 MB Floppy Support

$128

DC-200M ISA Bus IDE Disk Accelerator

NEW!

- ▶ 4HD/2FD
- ▶ 512Kb On-Board (expandable to 8.5 MB)
- ▶ 5MB / Second transfer rate
- ▶ Accepts Standard 256K, 1MB, 4MB - 80ns SIMMS
- ▶ 0.3ms effective access time on average
- ▶ Provides 2 SIMM Slots
- ▶ 2.88 MB Floppy Support

$129

DC-200 ISA IDE Caching Disk Controller

- ▶ 4HD/2FD
- ▶ Holds 512K (expandable up to 16MB)
- ▶ 5MB/Second transfer rate
- ▶ 0.3ms effective access time on average

$95

SCSI CONTROLLERS

DC-2040 ISA SCSI Caching Disk Controller

- ▶ 2HD/2FD
- ▶ Uses standard 256K, 1MB, 4MB SIMMS Modules-expandable to 16MB (0MB on-board)
- ▶ 0.3ms effective access time on average

$169

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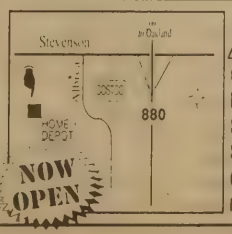

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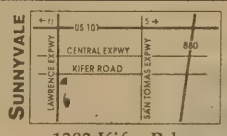

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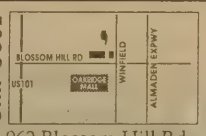

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TAPE BACKUP SUPER SOURCE

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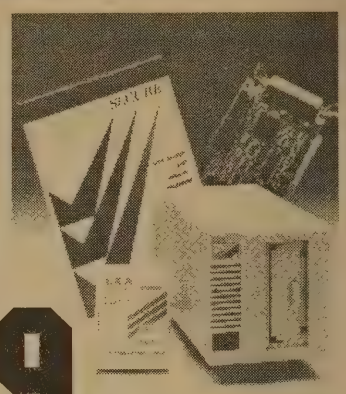
FS1G
1.5Gb SCSI Tape Storage



Complete System Includes

- External FS1G Tape Drive
- Adaptec 16-Bit SCSI Controller Card
- File Secure Software
- One Data Cartridge
- Up to 30MB/min. Transfer

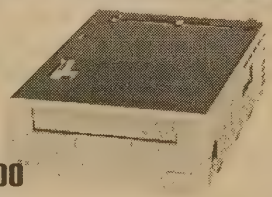
$959

Internal unit only $699

Extra 1.5GB Cartridge **$39**

Exabyte 4mm DAT Cartrige Tape SCSI Subsystem

2GB EXB-4200



3.5"

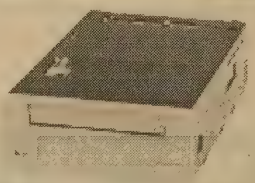
2GB model 4200

- 2GB Native Capacity
- 233Kb/Sec Transfer Rate
- 20 Sec Avg. Access Time
- 3.5" Form Factor

$899

External $1059

4GB EXB-4200c



3.5"

4GB model 4200C

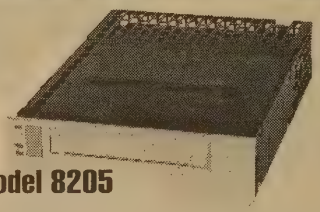
- 4-5GB Compression Capacity
- 466Kb/Sec Transfer Rate
- 20 Sec Avg. Access Time
- 3.5" Form Factor

$999

External $1099

The Best Name in 8mm Cartridge Tape Subsystems

2.5GB EXB-8205



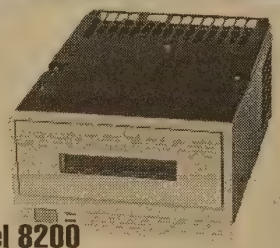
2.5GB model 8205

- Half-height, 8mm Cartridge Tape
- Intelligent IDRC algorithm data compression
- 5GB capacity at 500Kb/Sec (compressed)
- MTBF 80,000 hours

$1499

External $1749

2.5GB EXB-8200



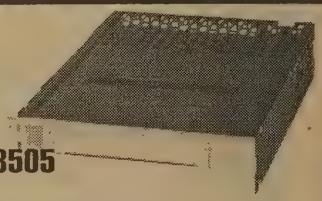
2.5GB model 8200

- Full-height, 8mm Cartridge Tape
- On-Board Error Correct Code & Recovery Products
- 256K buffer
- 246Kb/Sec Transfer Rate

$1499

External $1799

5GB EXB-8505



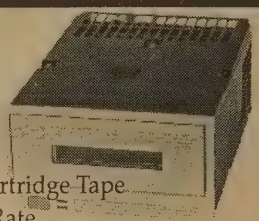
5GB model 8505

- Half-height, 8mm Cartridge Tape
- Intelligent IDRC algorithm data compression
- 10GB capacity at 1MB/Sec (compressed)
- MTBF 80,000 hours

$2349

External $2599

5GB EXB-8500



5GB model 8500

- Full-Height, 8mm Cartridge Tape
- 500Kb/Sec Transfer Rate (up to 4MB/Sec Synchronous)
- 1MB Cache Buffer

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External $2649

8mm 112m Tapes (up to 5.0GB)

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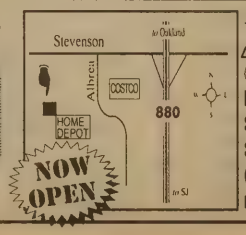

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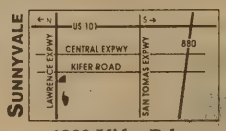

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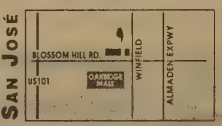

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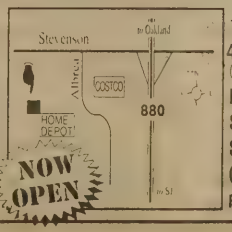

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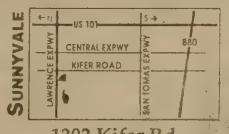

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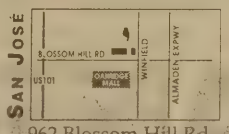

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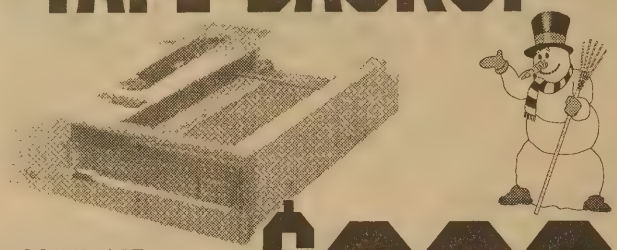
250MB SCSI TAPE BACKUP



Uses DC6250 1/4" Tape QIC-150 or QIC-120 64K Cache Buffer 1.8Gbyte per sec. Asynchronous data transfer. 5.25" half height.

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External 250MB for PC
with Ext.Cable (50-50 Cent. or DB-25 to 50 Cent.) **$369**
Macintosh Version: above 250MB Drive
with Cartridge & SurfGuard ™ Mac Backup Software. . **$429**

EXTERNAL 525MB SCSI TAPE BACKUP

External E5525S SCSI Drive Includes: One 525MB Cartridge Cable & SCSI Terminator.

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250MB *or* 360MB Removable Disk Subsystem

Data Security and Data Portability!
Now you can take your entire data base with you-operating systems and applications! Lock your drive away at night for the highest levels of data security! Transport disk drive cartridge between home and office or office and office-eliminates the need to copy multiple files to floppies! Use as a fast back-up device!

FEATURES:
- 16 bit IDE controller card and device driver.
- Simple installation
- Compatible with existing installed drivers and controllers
- Supports an additional 2 IDE drives
- Up to 2 IDE controllers / 4 IDE drives in a system
- 16.5ms average access sustained data transfer rates to 2.4MB/sec.
- 100G non operating shock tolerance.
- 700G non operating shock tolerance in carrying case
- Energy Star Compliant
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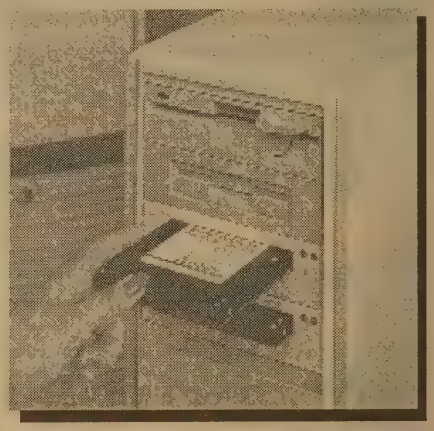

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COMPLETE KIT INCLUDES:
- 250MB or 360MB removable hard drive
- IDE docking station
- Intelligent 16 bit IDE controller
- Carrying case and cable
- Installation guide
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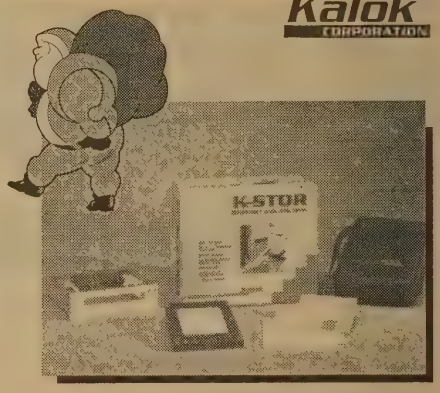

"Kaloks K-Stor system offers a handy way to transport data between your office and home PCs. And the disks are rugged enough so that you don't need to treat them with excessive care" PC Magazine, 10/26/93.

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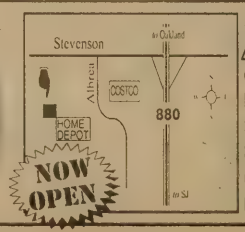

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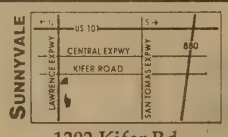

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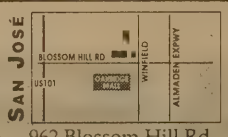

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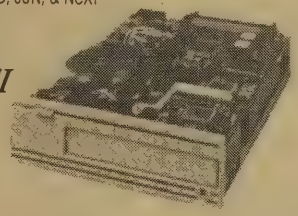

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- 36MB/MIN
- SCSI-2
- 1/4" TAPE UNIT

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◆ 6MB/MIN.	◆ 6MB/MIN.
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◆ 4GB DAT 4mm	◆ 2.0GB DAT 4mm
◆ 1MB Cache Buffer	◆ 11MB/MIN.
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INCLUDES 1 CARTRIDGE

INTERNAL	EXTERNAL
RUNS OFF FLOPPY PORT	RUNS OFF PARALLEL PORT
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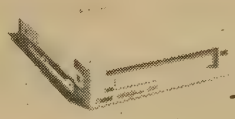
IOMEGA tape 250



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- fits Standard 3.5" floppy bay
- Reads QIC Tape and Irwin tapes
- Central Point Software
- Windows Support

Insider Tape 250 $189

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IOMEGA 250MB Formatted tapes
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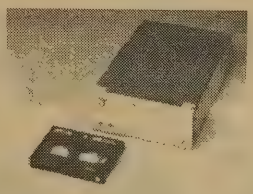

The most reliable SCSI Tape Backups for MAC, PC or SUN

SCSI 4mm DAT

CAPACITY	MODEL	INTERNAL	EXTERNAL
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4-8GB	35480 DAT	$1099	$1199
4-16GB	C1533A	$1699	$1829

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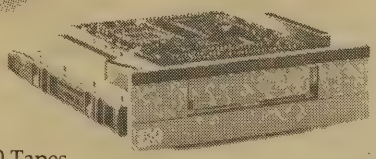


Uses 2120 Tapes

RUNS OFF FLOPPY PORT

CAPACITY	MODEL/TYPE	INTERNAL
120MB	DJ10 JUMBO120	$99
250MB	DJ20 JUMBO250	$165

EXTERNAL KIT WITH CARD AND CABLES KE-10	$109
EXTERNAL TAPE PORT AB-11	$35
FC-10 TAPE CONTROLLER, WITH CABLES	$79
TC-15 HIGH PERFORMANCE 16-BIT CONTROLLER	$169

IRWIN

An Archive® Company

RUNS OFF FLOPPY PORT

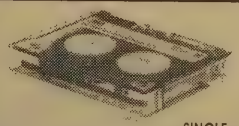
CAPACITY	MODEL/TYPE	INTERNAL
120MB	ARC120	$139
250MB	ARC250	$189

PARALLEL PRINTER PORT *EXTERNAL* TAPE BACK-UP

RUNS OFF PARALLEL PRINTER PORT

CAPACITY	MODEL/TYPE	EXTERNAL
120MB	AccuTRAK 120	$339
250MB	AccutRAK 250	$399

TAPES & CARTRIDGES



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MAXELL DC2120 UNFORMATTED	16.99	79.00
MAXELL DC2120 FORMATTED Q80	19.99	89.99
6000(1/4" TAPES)		
SONY QD6150 150MB	22.95	107.50
SONY QD6250 250MB	28.95	137.50
SONY QD6525 525MB	33.95	155.50
DAT 4mm 90meters		
SONY 90M	17.95	75.00
TDK DC4-90	13.99	65.00
DAT 8mm 112meters		
EXABYTE UP TO 5.0GB TAPES	18.00	89.00
TDK DC8-112	9.99	45.00
FLOPPY DISKS		
SONY 2.88M DISKS	10PACK ONLY	$62.50
BULK 1.44M 3.5" FORMATTED	.68¢	25PACK $15.99
BULK 1.2M 5.25" FORMATTED	.39¢	25PACK $9.99
REMOVABLE DISKS		
SYQUEST 44MB SQ400	$65.00	$309
SYQUEST 88MB SQ800	$99	$489
SYQUEST 105MB 3.5"	$99	$489
BERNOULLI	See pg. 19	
RICOH 128MB	$49	239
MAXELL 128MB OPTICAL	$42	199
MAXOPTIX 1.0GB GLASS OR POLY	$199	979
RICOH 650MB	$145	$699

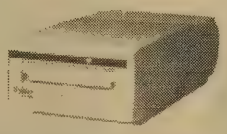
Don't miss page 14 for the lowest prices on SCSI Tape Backups ever!

WangDAT™

SCSI 4mm DAT

CAPACITY	MODEL	INTERNAL	EXTERNAL
2.0GB	3100 DAT	$999	$1099
4-8GB	3200 DAT	$1099	$1199

Trakker

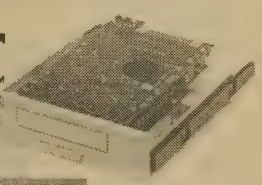


PARALLEL PRINTER PORT EXTERNAL TAPE BACK-UP SYSTEMS

RUNS OFF PARALLEL PRINTER PORT

CAPACITY	MODEL/TYPE	EXTERNAL
120MB	TRAKKER 120	$289
250MB	**TRAKKER 250**	**$329**

SUMMIT™ MEMORY SYSTEMS INC.



WITH CENTRAL POINT BACKUP SOFTWARE

RUNS OFF FLOPPY PORT

CAPACITY	MODEL/TYPE	INTERNAL
120MB	SE-120	$129
250MB	SE-250	$159

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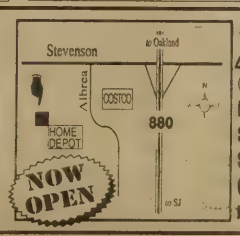

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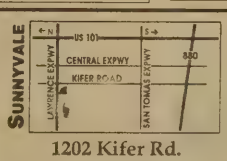

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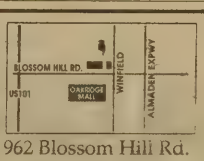

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backpack
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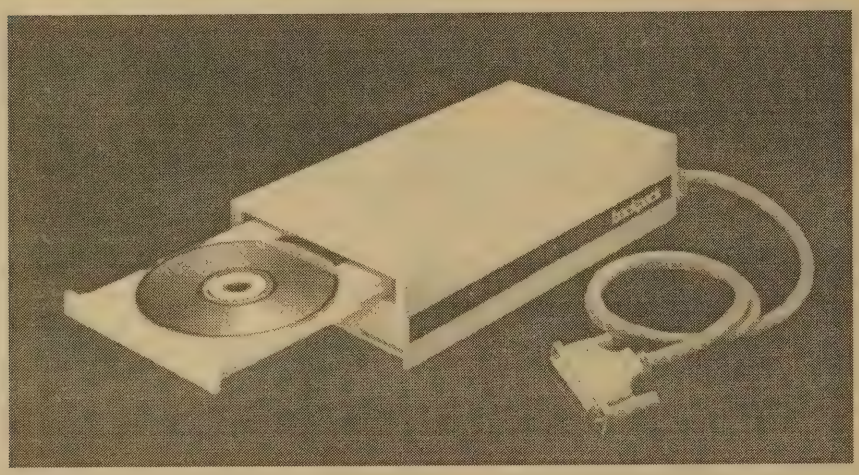
Parallel port External CD-ROM Drive



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- 128K Cache
- 280ms
- MultiSession Photo CD compatible
- Ideal for Notebooks or Desktops
- Supplied device drivers

Built-in audio circuit with line output jacks allows connection of sound cards or Hi-Fi

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backpack
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- Software for unattended backups
- Twice as fast as internal floppy drive
- 2 Year Warranty

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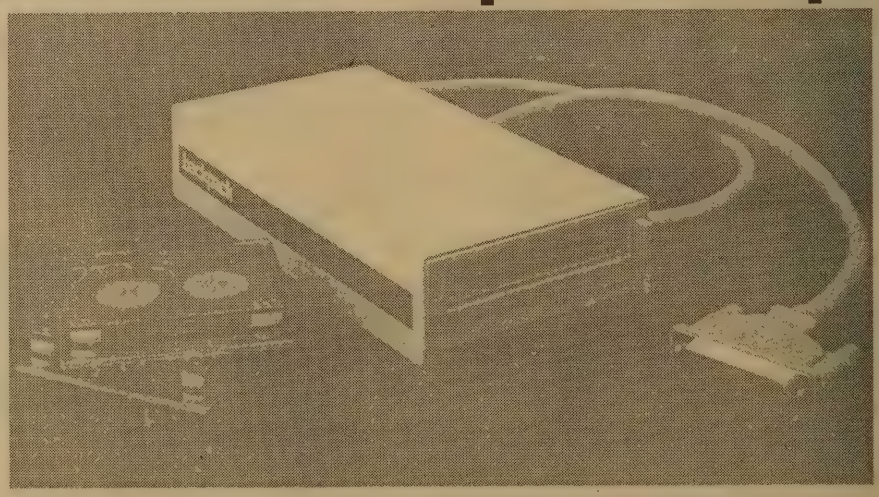

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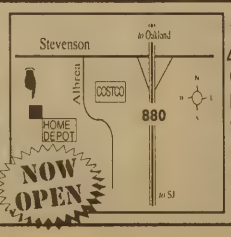

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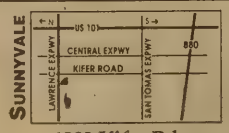

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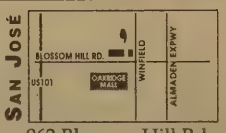

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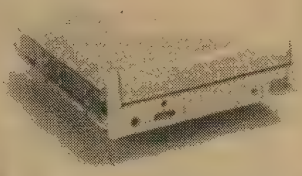

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Top of the line SCSI-II CD ROM

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- XA Compatible
- 256K Buffer
- 280ms
- Double Doors
- Sealed Mechanism

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Panasonic

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- 64K Cache

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CR562 CD ROM & CARD

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- 320ms / 300KB/sec
- 64K Cache
- Double Speed /XA Comp.

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CR532 SCSI CD ROM

- SCSI CD ROM
- 290ms
- 128K Cache (up to 256K)

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SONY

NEW MULTI SPEED 300KB/SEC

31A-03 CD ROM

- CONTROLLER CARD
- Cables and Software

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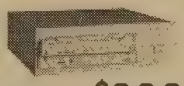
561 SCSI CD ROM

- Double Speed
- 285ms /300Kb/Sec
- 256K Cache

$369

NEC

SCSI CD ROMs



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Double Speed Plus

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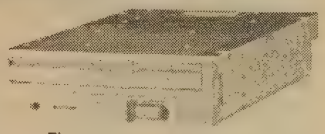
High Performance SCSI-II CD ROM Drives



MODEL NO. DM3024

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- Double Speed/Photo CD
- Includes Caddy
- Internal Ribbon Cable
- Rails

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New Model **3028**

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- *FAST* 240ms
- Multi-spin/330Kb/Sec.
- Caddy & Manual

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- DM-5028
- External W/Caddy

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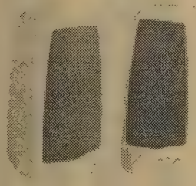

AMPLIFIED SHIELDED STEREO SPEAKERS

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RECOTON

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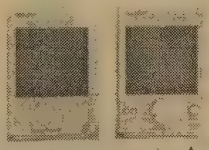

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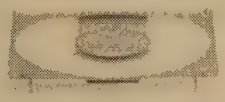

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For Most Popular CD-ROMs & Sound Cards

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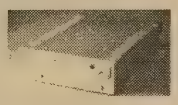

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- DUAL SPEED
- 265ms / 335Kb/sec
- Multi-session photo CD
- Anti-dust Construction
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- MULTIMEDIA CD ROM 350ms.
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- MPC READY / 350ms

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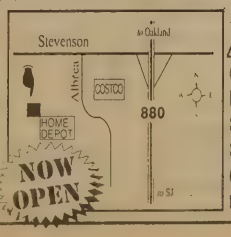

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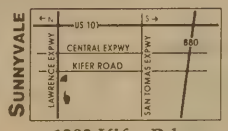

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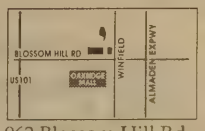

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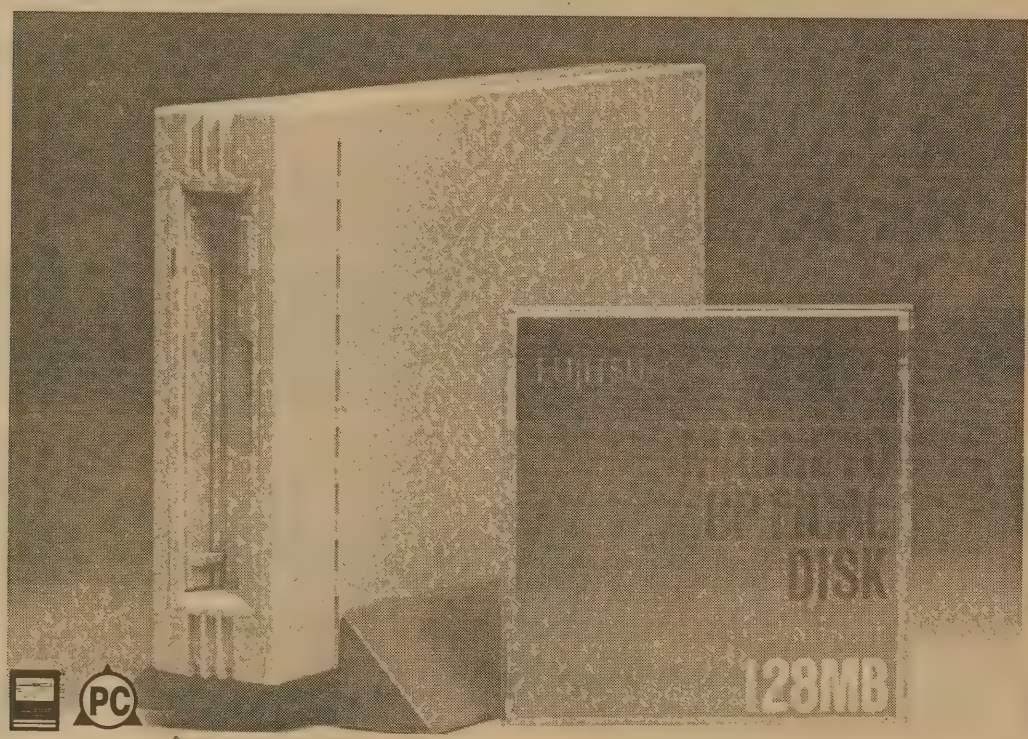

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FOR MAC OR IBM

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- Fast 30ms Seek Time
- 3600RPM
- 256K Cache
- Software for MAC (free upon request)

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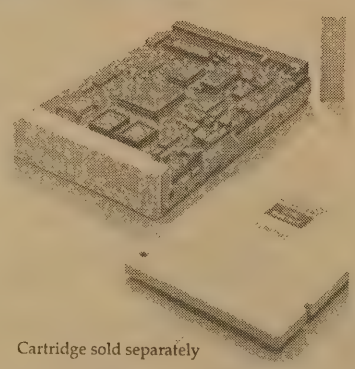

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In-store price $898
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CAPACITY	SINGLE	5-PACK
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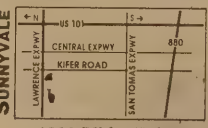

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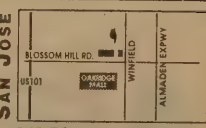

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EXTERNAL C2550 WITH CARTRIDGE $2899

1.3GB Cartridge.....$129

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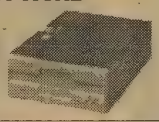
- 3000 RPM
- 256K Cache
- Approx. 40ms



INTERNAL $719

EXTERNAL WITH CARTRIDGE $889

Maxoptix™

Multifunction Magento-Optical Disk Drive for 1-Gbyte and 650-Mbyte Rewritable and WORM Disk Cartridges, With up to 4-Mbytes Read/Write cache

- Unlimited Data Storage
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- One year factory warranty
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- Data Transfer of up to 13.2Mbit/Sec.
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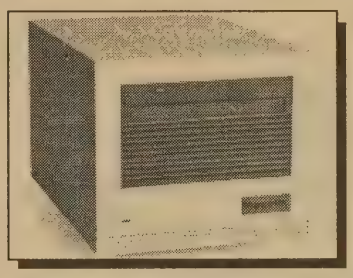

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- External SCSI
- 35ms

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- External SCSI
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INTRODUCING **TAHITI IIIm**
1.3GB Multi Function Optical

1MB Cache $2899 | 4MB Cache $3099

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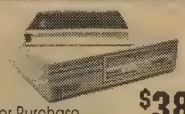
SyQuest

44MB SYQUEST REMOVABLE

External Drive
- 44MB Cartridge
- Cables
- Installation Software (for MAC)
- PC Software Included With Controller Purchase



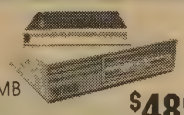
$389

Internal Bare Drive $235

•88MB Syquest Also Available•

88MB C SYQUEST REMOVABLE

External Drive
- 88MB Cartridge
- Cables
- Reads & Write Both 44 & 88 MB
- Installation Software (for MAC)
- PC Software Included With Controller Purchase

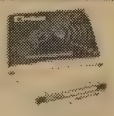


$489

Internal Bare Drive $299

105MB 3.5" SYQUEST REMOVABLE

External SCSI Drive
- 14ms Seek Time
- 105MB Cartridge
- Cables
- Installation Software (for MAC)
- PC Software Included With Controller Purchase



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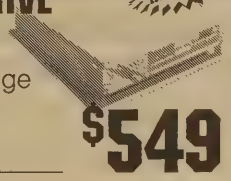

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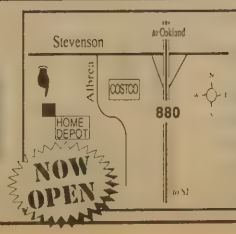

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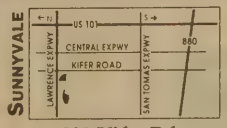

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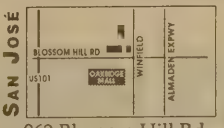

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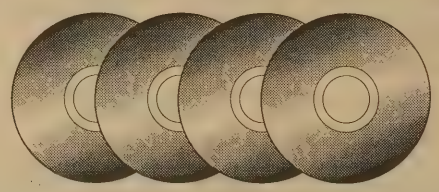

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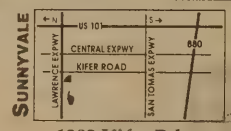

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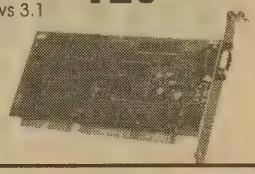

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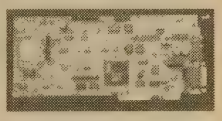

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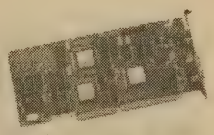

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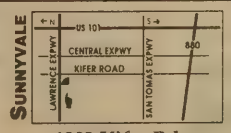

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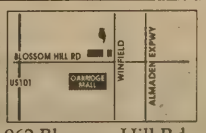

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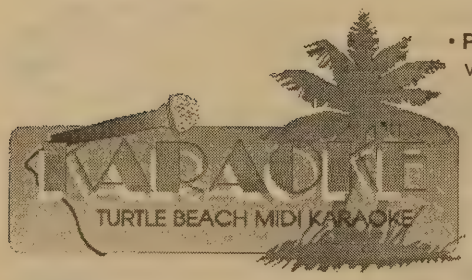

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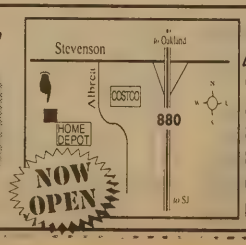

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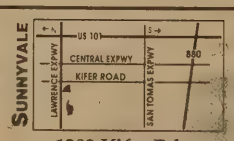

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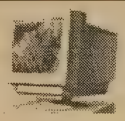

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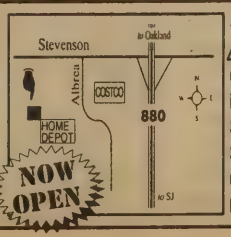

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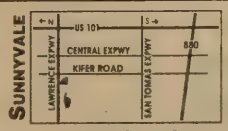

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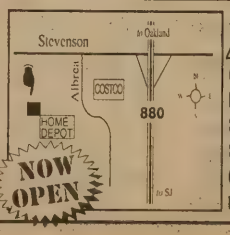

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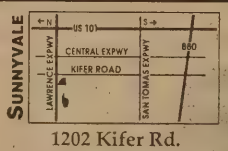

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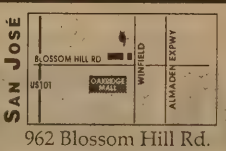

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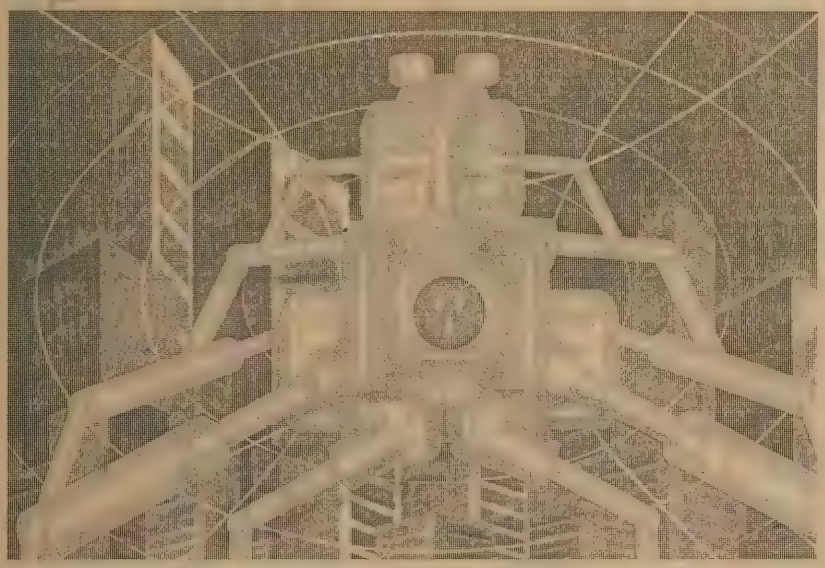

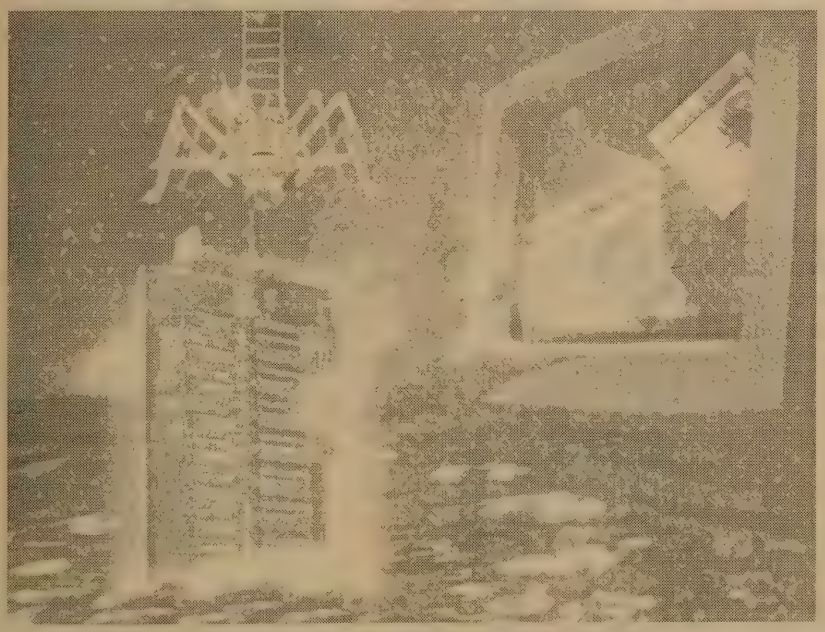

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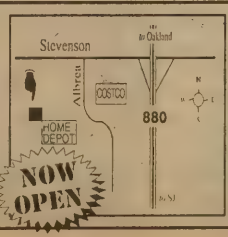

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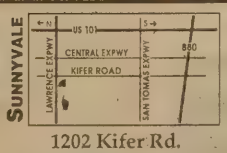

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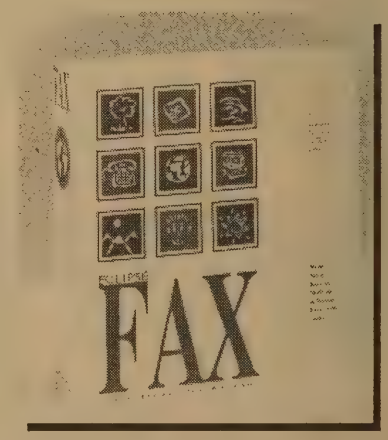

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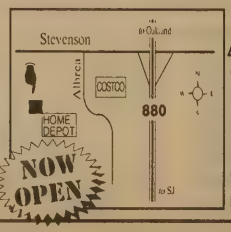

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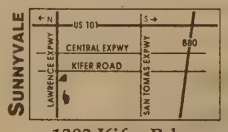

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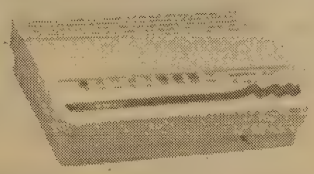

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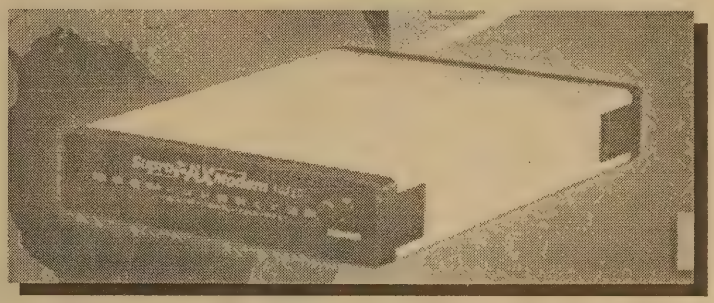

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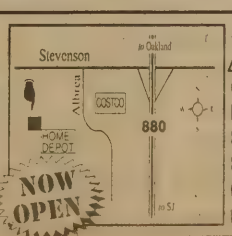

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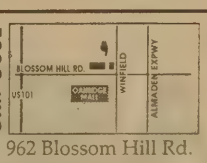

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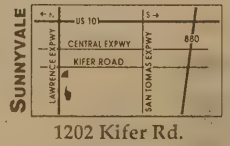

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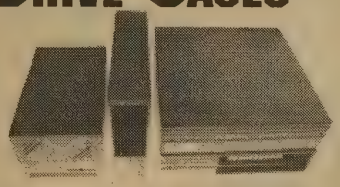

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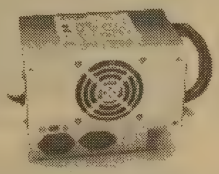

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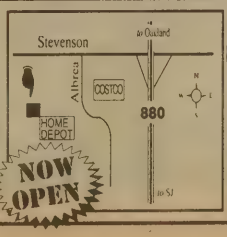

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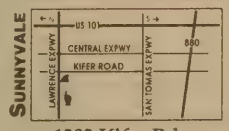

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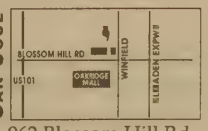

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PC Software

Top left: Planix: Visual Office Management software for Windows; top right: AutoSketch 2.0 for Windows from Autodesk, Inc.; middle: TemPrint from Perini Software Corp.; bottom: CursorPower from North Shore Systems, Inc.

Continued from page 204

ities as well as full compatibility and seamless interoperability with AutoCAD. Pull-down menus, customizable toolbars, and an extensive help system ease learning. It is ideal for architects, engineers, designers, and contractors who need a complete CAD solution, but don't need the power and sophistication of AutoCAD. Use it at work with AutoCAD, in the field on notebook computers, or as a training tool for AutoCAD. ($495) Autodesk, Inc., 2320 Marinship Way, Sausalito, CA 94965. (415)332-2344.

AUTOSKETCH RELEASE 2.0 FOR WINDOWS

AutoSketch for Windows 2.0 is an affordable 2-D CAD-based precision drawing package. This new release combines the power and precision of CAD with the freedom of an illustration program. AutoSketch for Windows makes it easy to produce concept sketches, technical diagrams, architectural layouts, electrical drawings, patterns, illustrations, presentations, and information graphics. Freehand curve tools and line options give you the versatility to meet any need. Easy view features let you choose drawings, symbols, and fonts with simple icons. It supports TrueType fonts, .DWG write compatibility with AutoCAD, .DFX import/export, and over two thousand symbols. ($299) Autodesk, Inc., 2320 Marinship Way, Sausalito, CA 94965. (415)332-2344.

MAC-TO-DOS FOR WINDOWS

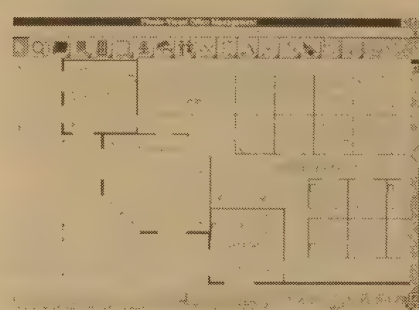
The file transfer utility gives PCs running Windows the ability to read and directly write to Macintosh media, including Macintosh 1.44MB diskettes, removable cartridges, and magneto-optical cartridges. The easy-to-use interface features drag-and-drop for single and multiple file transfers. Mac-to-DOS for Windows allows users to change file and directory names. Users can view ASCII files from within this utility before transferring them to their hard disk. ($99.95) Peripheral Land, Inc., 47421 Bayside Pkwy., Fremont, CA 94538. 1-800-288-8754.

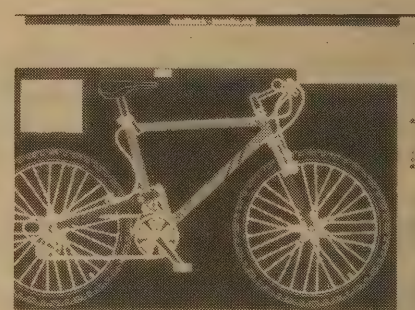
FONT WORKS

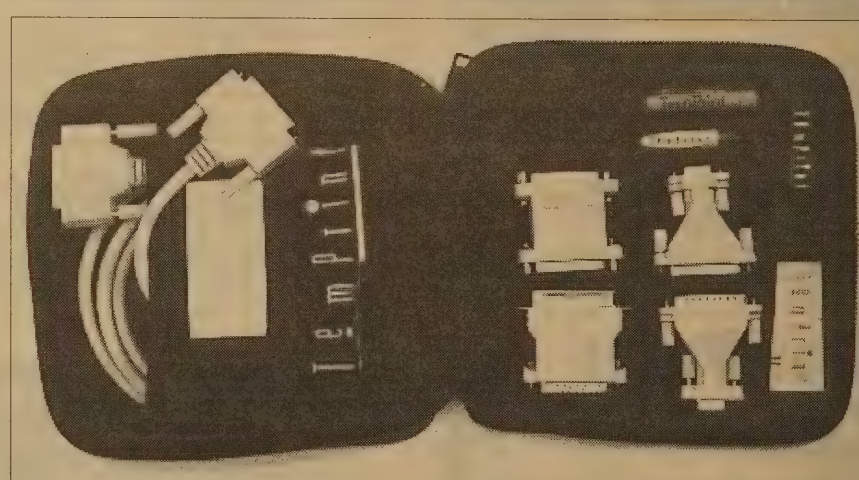
Font Works solves the growing problem for business users who exchange documents—not getting the fonts they expected and losing document formatting due to poor font substitution. Font Works is an integrated font solution that gives Windows users a comprehensive library of high-quality fonts and the tools to use them effectively. Font Works assures users that they will get accurate font replacements, helps users make informed font selections, and gives them more than two hundred high-quality fonts. Based on ElseWare's infinifont technology, Font Works can generate fonts on-the-fly while consuming less that one fifth of the disk space required by current font technology. Font Works also provides font management utilities that let users organize fonts according to task or project. In addition, users can customize their applications' font menus by hiding fonts not regularly used. ($129.95) ElseWare Corp., 101 Stewart St., Suite 700, Seattle, WA 98101-1048. 1-800-ELSEWARE.

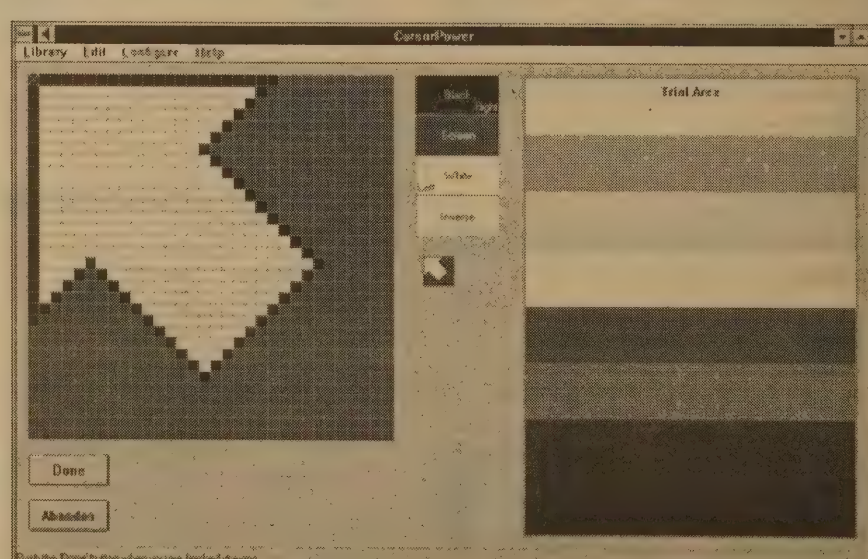
CURSORPOWER

CursorPower enables users to redesign and resize the arrow, hourglass, I-beam, and other cursors that come standard with









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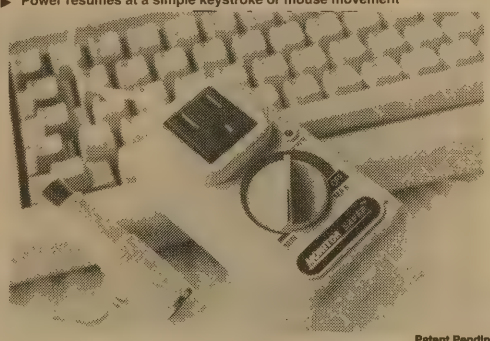

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17 UNIX Sys Adm. OS2 EVE 3.11 Sys. Mgr.	18 UNIX Sys Adm. OS2 EVE 3.11 Sys. Mgr.	19 UNIX Sys Adm. LAN 3.0 EVE Serv. & Supt.	20 UNIX Sys Adm. LAN 3.0 EVE Serv. & Supt.	21 UNIX Sys Adm LAN 3.0
24 TCP/IP EVE UNIX Shell Pro	25 TCP/IP EVE UNIX Shell Pro	26 NFS EVE UNIX Shell Pro	27 NFS EVE Unix Shell Pro	28
31 Applications Training				

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7	8 3.12 Sys Mgr	9 3.12 Sys Mgr	10 3.12 Sys Mgr	11 3.12 Sys Mgr
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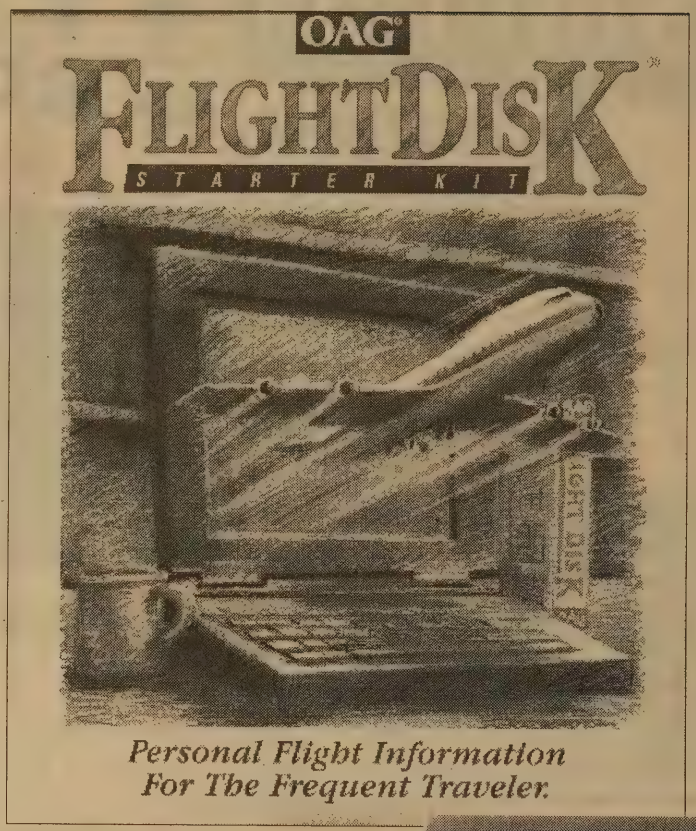
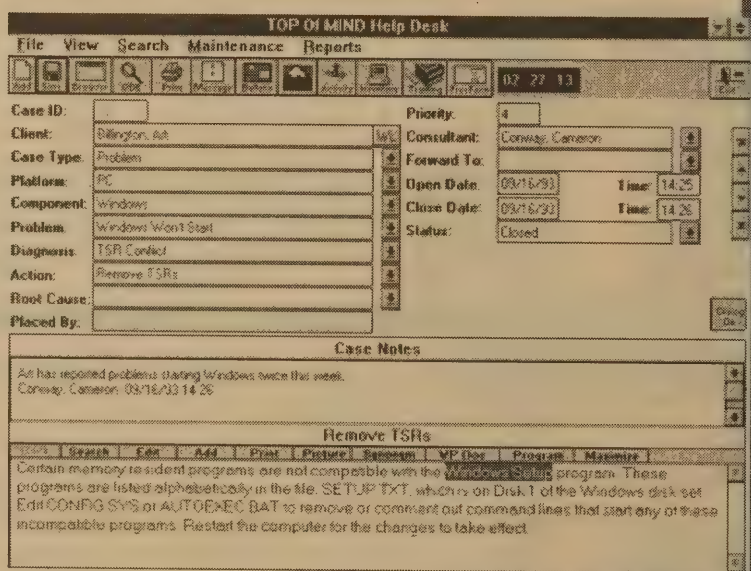
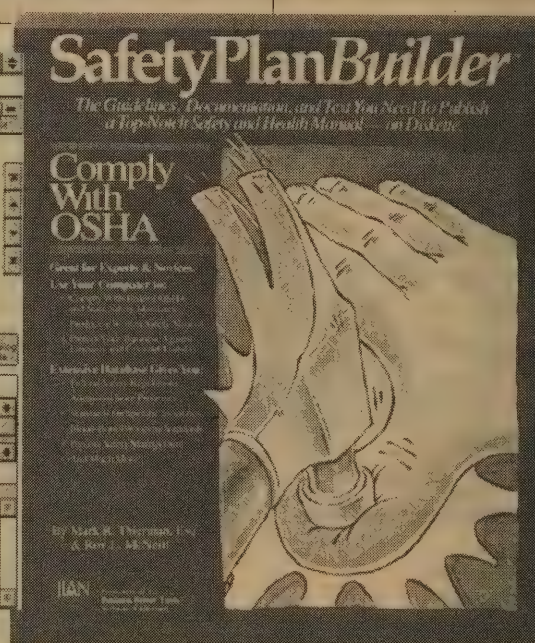
both Windows 3.1 and OS/2 2.1. With the utility, users may also imagine and create new cursors from scratch, and turn graphics and text into cursors. This package features a library of over one hundred arrows, symbols, signs, musical notes, hand signals, animals, robots, insignia, and other designs that may be used to replace default cursors. Versions for both Windows and OS/2 are included on one disk. ($49.95) North Shore Systems, Inc., PO Box, 8687, Incline Village, NV 89450. (702)831-1108.



TEMPRINT

TemPrint is a universal printer driver designed for DOS-based portable computers. TemPrint comes with a universal cable kit designed to meet the expanding needs of mobile computer users. This new software product combines unparalleled printing flexibility, compact packaging design, and ease-of-use. The combination of TemPrint and its cable will quickly and easily print from any DOS program, running under DOS or Windows to almost any character or laser printer. It is not even necessary to know the brand or model of the "temporary printer." TemPrint comes with a thirty-day full money back guarantee if the user is not completely satisfied, and a ninety-day product warranty. ($69.95) Perini Software Corp., 4755 Alla Rd., Marina del Rey, CA 90292. 1-800-631-4141.





Clockwise from top: OAG FlightDisk Starter Kit; SafetyPlan Builder; Top of Mind Windows Help Desk.

PLANIX FOR WINDOWS

Planix: Visual Office Management software for Windows is designed to let large and small businesses automate the management of an office and its contents. It integrates drawing, database, and spreadsheet functions in an easy-to-use, graphic layout format. Planix makes it easy for the user to draw and plan office space through its AutoLayout tools and equipment configurations. The drag-and-drop interface simplifies the tasks required to effectively plan and manage resources in your office. As objects are placed—such as furniture, equipment, and people—into drawings, Planix simultaneously creates a database of everything in the workplace. ($249) Foresight Resources Corp., 10725 Ambassador Dr., Kanas City, MO 64153. 1-800-231-8574.

QUICKSEARCH

QuickSearch, dataDisc's text and image retrieval software, is designed for easy and inexpensive publishing of electronic catalogs, books, user manuals, legal or medical documents. QuickSearch is a DOS-based product that has the look and feel of Windows, yet does not require Windows to work. QuickSearch lets the user perform single and multiple word searches, wildcard searches, and proximity searches. Users can also search for images and display its associated text. Other features include word lists, history lists (past searches), and hit lists. Full-color or black-and-white images have unlimited zooming capabilities. An elec-

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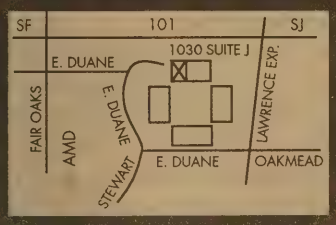

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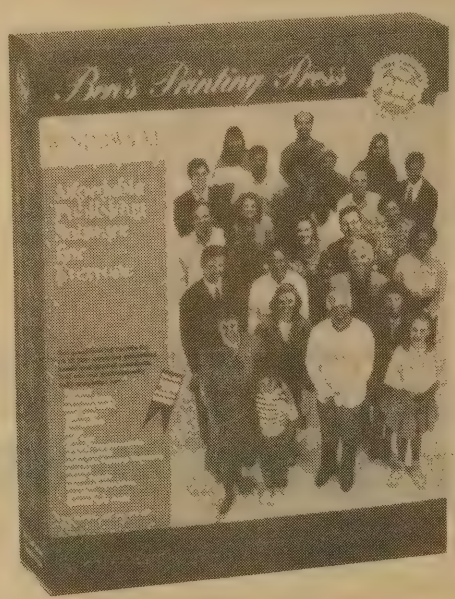
PC Software

tronic notepad allows users to add notes to the text. dataDisc, Inc., Route 3, PO Box 108, Gainesville, VA 22065. 1-800-DATADISC.

OAG FLIGHTDISK STARTER KIT FOR WINDOWS

This software sample kit gives frequent travelers direct access to comprehensive information on all commercial airline flights in North America, any time, from any place. Using the same database as travel agencies, users can quickly and easily check up-to-date information on departure and arrival times, seat availability, fares, restrictions, type of plane, weather, hotels, restaurants, distances from airports to cities, ground transportation, and more. The kit provides a sampling of OAG (Official Airline Guide) services for an introductory period at a nominal price; customers can continue to use the OAG system by subscribing to any or all of the three OAG services, which include OAG FlightDisk, OAG FlightFax, and OAG Electronic Edition Travel Service. ($39.95) Microlytics, Inc., Two Tobey Village Office Park, Pittsford, NY 14534. (716)248-9150.



SAFETYPLAN BUILDER

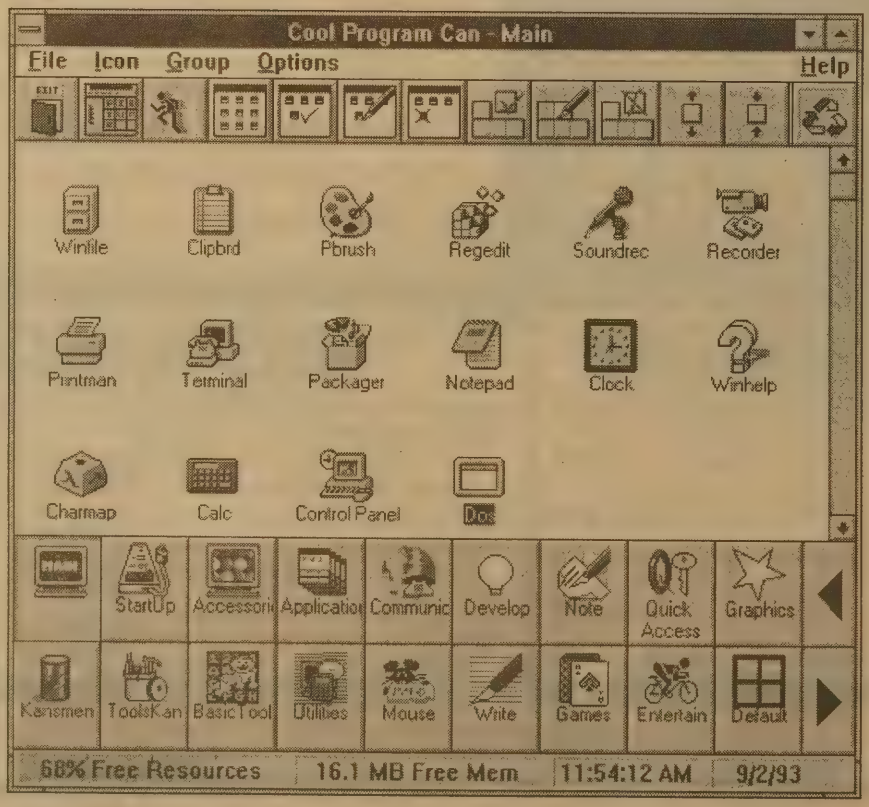
SafetyPlan Builder is an expert information software package that helps businesses create a complete written safety plan that meets state and federal OSHA standards. By first interviewing the users, it gathers all the information needed so it can search and retrieve the necessary OSHA requirements of the user's industry and location. It also references a collection of over four hundred pages of text detailing state and federal OSHA as well as industry specific safe work practices standards. The manual not only assists the user in running the program, but also acts as a source book about the process of safety planning and dealing with OSHA. ($139) Jain Tools for Sales Inc., 127 Second St., Los Altos, CA 94022. 1-800-346-5426.

TOP OF MIND WINDOWS HELP DESK

Top of Mind Windows Help Desk helps users in customer service departments to diagnose and solve their customers' problems. By analyzing, compiling statistics on, routing, and tracking problem calls, it helps users troubleshoot, improve efficiency, and set customer service training priorities. The software features a central, self-organizing database with which users train themselves to use Top of Mind Windows Help Desk. Other features are online hypermedia to store text, graphics, and charts; both quick and in-depth search functions; and inventory and updating functions which automatically share information from one workstation to the entire system. Corporate MIS, telemarketing, and sales departments can also use the software. ($4500 for a single workstation, $22,500 for a 15-user LAN version of the installed software) The Molloy Group, Inc., 90 E. Halsey Rd., Parsippany, NJ 07054. (201)884-2040.

PRINTAPLOT PRO

PrintAPlot Pro, standalone TSR plotter emulation software, incorporates an ADI (protected mode) driver that enables users to plot to more than 1200 laser, ink jet, PostScript, and dot matrix printers, at resolutions from 75 to 600dpi, while still inside AutoCAD. With PrintAPlot Pro, all CAD and graphics software users can now convert HPGL/2 as well as HPGL files, preview each plot before printing (including tiled output), and print continuous long plots. Working entirely in the background in AutoCAD, only a spinning cursor at the bottom of the screen lets users know that PrintAPlot Pro is working. It also includes support for 255 pens, with any pen being able to select from a palette of 255 AutoCAD or HPGL/2 colors. Users can change pens or line widths, patterns and colors, tile "A" or "E" size drawings, adjust plot scaling or rotation,



Top: Ben's Printing Press for Windows from Owl Software Corp.; Bottom: Cool-Cool-Can desktop manager for Windows from Kansmen Corp.

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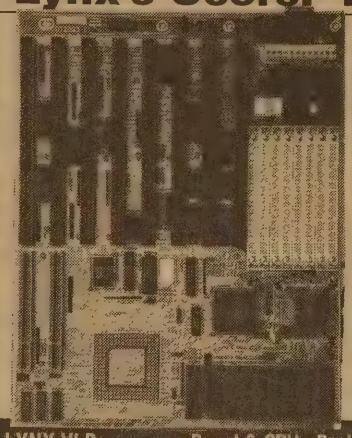

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Sept. 1992
Volume 1 Number 6
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Diamond Viper (P9000, 2MB VRAM) 385
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NANAO F550I (17" 1280X1024 .28) 978
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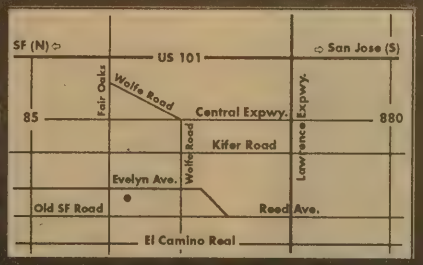


PC Software

and batch print to a standalone printer. ($199) Insight Development Corp., 2420 Camino Ramon, Suite 205, San Ramon, CA 94583. (510)244-2000.

BAYWARE POWER JAPANESE FOR WINDOWS

Power Japanese is a multimedia language course that lets users teach themselves basic spoken and written Japanese using their own desktop or laptop PC. It features a ten thousand-word online dictionary, a Japanese language text editor, and a learning module, Voicetrac, that lets you tailor the course to suit the way you learn best. Available from any part of the program, the new dictionary lets you look up meanings both ways—from Japanese to English and vice versa. By actively involving the learner—in listening, speaking, reading, and writing—Power Japanese forces greater retention of new knowledge, while still holding interest over the long-haul necessary to learn a foreign language. (Available on CD-ROM, 3.5" or 5.25" disks, $389) BayWare, Inc., 1720 S. Amphlett Blvd., Suite 205, San Mateo, CA 94402. 1-800-879-7899.

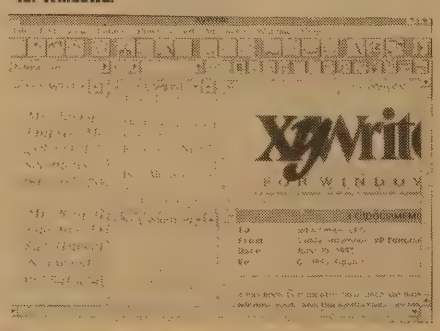
CYBERMEDIA MULTITALK FOR WINDOWS

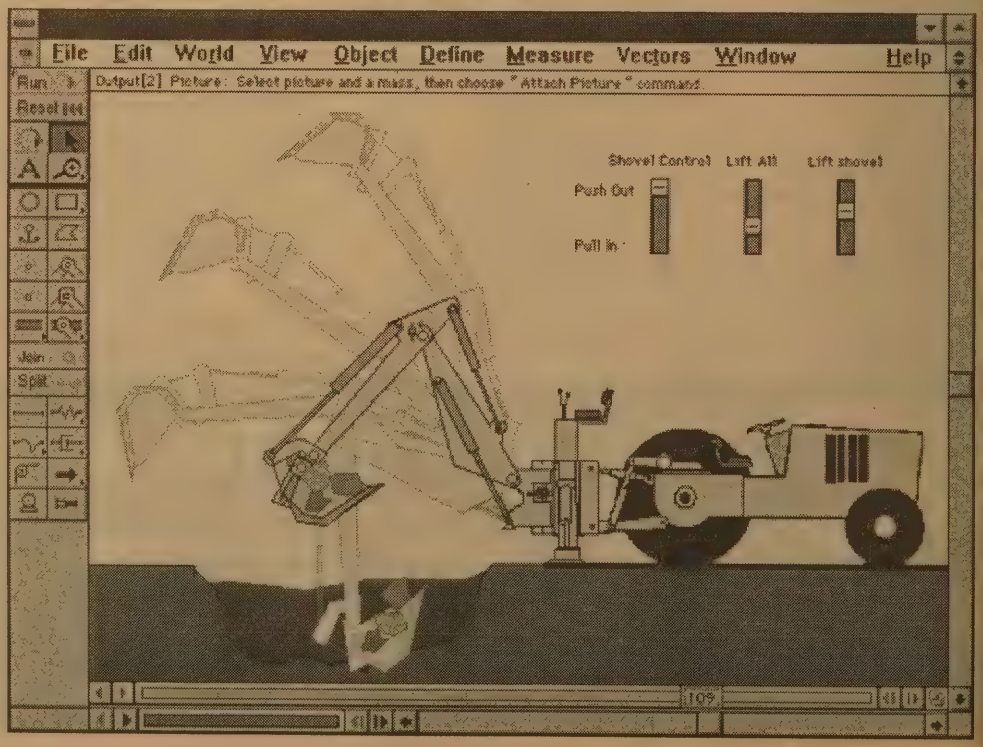
MultiTalk translates all menus and dialog boxes of any Windows program—including Windows applets such as File Manager and Write—into Danish, Dutch, American English, English, Finnish, French, Canadian, German, Icelandic, Italian, Norwegian, Portuguese, Spanish, and Swedish. Software developers and publishers may use MultiTalk to quickly and easily convert an application into a second, third, or fourth language, without time-consuming and labor-intensive reengineering and translation costs. Users may easily convert the native-language original of a program, saving the substantial cost differential typical of an international version of the same software. ($189.99) CyberMedia, Inc. 1800 Century Park E., #1145, Los Angeles, CA 90067. (310)843-0800.

DIS PROJECT NAVIGATOR

Project Navigator is designed to meet the document tracking needs of construction professionals. It provides a means to generate, track, log, and communicate every piece of documentation that is used on a project, including transmittals, RFIs, drawings, change orders, correspondence, and specifications. It also allows you to build lists of everyone involved in the project—their names, company, address, phone, and fax numbers. They can be grouped and sorted in any way you want and selected to automatically receive specific documents which you identify. Running under Windows, you can simultaneously view multiple projects and move data between them. Project Navigator also provides a seamless link to popular word processors and links data automatically to those documents. Diversified Information Services, Inc., 4370 Tujunga Ave., Suite 130, Studio City, CA 91604. (818)506-7265.

Below: XyWrite for Windows; Bottom: Working Model for Windows.





COOL-COOL-CAN

Cool-Cool-Can, a desktop manager for Windows, provides easy desktop and file management. Features include a simple layout designed for groups and icons that eliminates confusing MDI icons and windows; graphical file viewers which allow you to quickly view a file's contents without launching the application; and instant access to all applications. It operates on any PC running Microsoft Windows. ($99; special introductory price, $59) Kansmen Corp., PO Box 360070, Milpitas, CA 950036-0070. (408)263-9881.

BEN'S PRINTING PRESS FOR WINDOWS

This affordable, easy-to-use desktop publishing program is for office or home PC users. You can design new greeting cards, certificates, stationery, posters, business cards, calendars, banners, flyers, and more. It features sixteen TrueType fonts and supports bit-mapped, Encapsulated PostScript, and Picture Graphics color printing as well as black-and-white Picture Graphics printing. Other features are a cut-and-paste clipboard for transferring text and images between applications, and a grab-and-drag tool for easy

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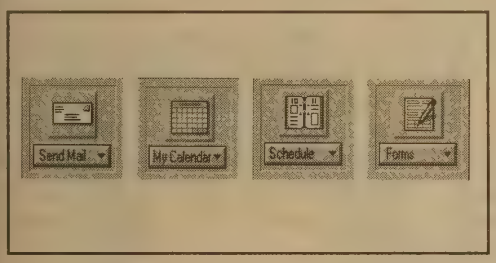

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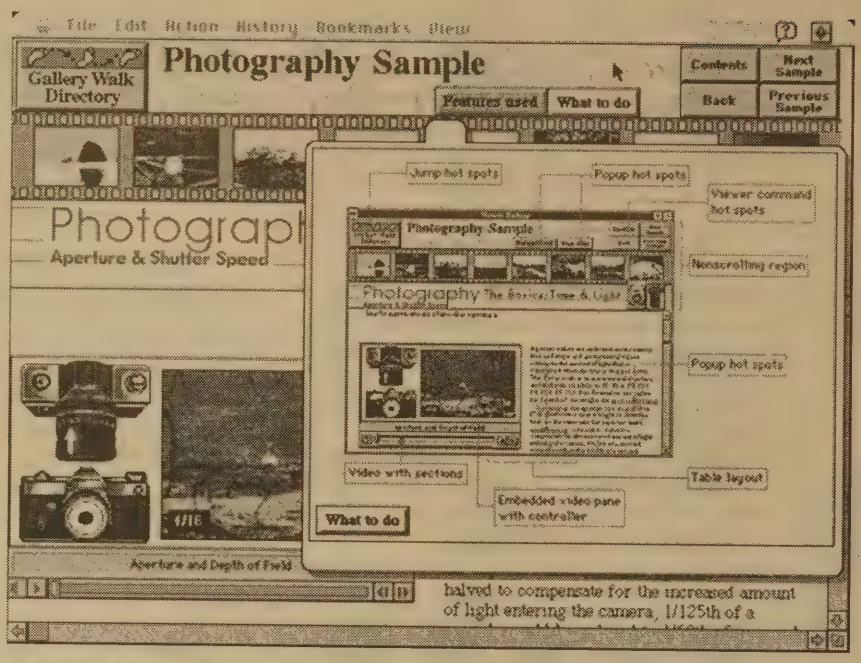

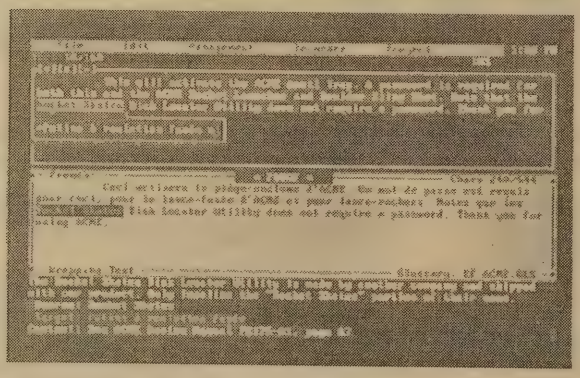

Above: QuickView from Altura Software, Inc.; Left: GlobalWare XL8 Code.

sizing of images and documents. Ben's Printing Press complements the more than fifty standard templates built into the original DOS version, which includes hundreds of fonts, clip art, pictures, borders, and text for customizing them. ($59.95) Owl Software Corp., 7633 Fulton Ave., North Hollywood, CA 91605. 1-800-432-4695.

WORKING MODEL FOR WINDOWS

Working Model for Windows provides engineers, animators, and designers with an easy-to-use tool for motion simulation and analysis. Motion simulation gives engineers an intuitive feel for their design's performance and lets them quickly visualize their finished products under a wide variety of conditions. Creating mechanical systems by graphically building objects or importing them from a computer-aided-drafting program, Working Model assigns them real physical properties like mass, friction, and elasticity. You then run simulations on these mechanical systems. Working Model mathematically calculates the accurate motion of the objects and displays their movement in smooth animation. The program has a large toolkit of devices which help you build these mechanical systems. It also has a complete set of measurement tools for data analysis. ($995) Knowledge Revolution, Inc., 15 Brush Place, San Francisco, CA 94103. (415)553-8153.

XYWRITE FOR WINDOWS

XyWrite for Windows is a word processing program for serious writers. It combines customization options, ease-of-use, and speed. Writers can view and edit documents in four different ways, one of which has an expanded view. The expanded view reveals to you every code, including all formatting commands. XyWrite is completely customizable, from menus and dialog boxes to screen colors and cursor size. You can undelete a string of recent commands to retrieve a paragraph you mistakenly deleted ten minutes ago. Straightforward keyboard commands such as "find" and "set right margin" reduce keystrokes and mouse clicks. You can also edit program files or documents in other applications directly from within XyWrite. ($495) The Technology Group, 36 S. Charles St., Baltimore, MD 21201. (410)576-2040.

MYCHARTS

MyCharts makes creating presentation charts simple, easy, and affordable. To create a bar graph, for example, just type the data under each bar. The graph automatically grows. You can switch between twelve chart types, in 2-D or 3-D, with a click of the mouse. You can customize MyCharts charts by importing clip art images in a wide variety of formats. Your charts can be easily pasted into most word processing programs. With MyCharts, you can combine text, graphics, and clip art into colorful impressive presentations. ($24.95) MySoftware Co., 1259 El Camino Real, Suite 167, Menlo Park, CA 94025. (415)325-9383.

QUICKVIEW

QuickView is a Microsoft Multimedia Viewer compatible application. It allows creators of Windows-based multimedia CD-ROM titles to develop titles that will play on both Macintosh and Windows. QuickView includes all the features of Altura's QuickHelp, online help system. Additional features are support for Macintosh sound files and Windows .WAV files, embedded panes and windows, full text search and retrieval, external commands, and support for QuickTime and AVI movies. ($495 for the development kit, $995 for licensing of non-commercial titles, $2500) Altura Software, Inc. 510 Lighthouse Ave., Suite. 5, Pacific Grove, CA 93950. (408)655-8005.

XL8 CODE

XL8 Code allows you to translate software source code—the instructions written by the programmer—from English to French or another foreign language. Software vendors can also use XL8 to translate instructions for computer users in another language. XL8 Code extracts text from a variety of operating systems as well as computer languages. Using fuzzy logic, literal translation, proofreading features, and glossaries, it translates the text. XL8 Code gives you powerful keyboard editing tools and file management tools for large multifile, multilanguage projects. ($1995 for XL8 for Managers; $595 for XL8 Professional; $200 for individual translator station software) GlobalWare, Inc., 10474 Santa Monica Blvd., #304, Los Angeles, CA 90025. (310)441-1024.

Continued on page 248

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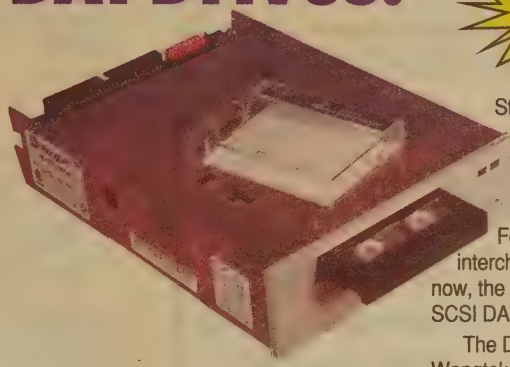

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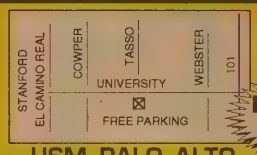

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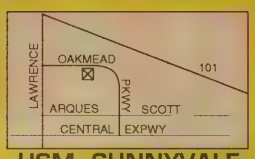

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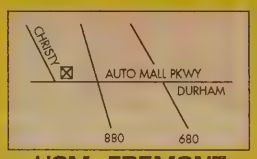

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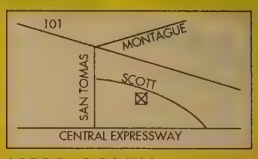

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- Cirrus Logic VLB 1MB Windows Accelerator
- 14" 1024X768I 0.28DP Monitor
- Premium Mini Tower 230W PS
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Onbrd IDE I/O, 2 VLB slots, ZIF, Bus-master.... $320
6 Micronics ISA VLB JX-30 256K w/ CPU, VLB IDE, I/O
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50
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Orchid Fahrenheit VA VLB 1/2MB...................... $175/215
Orchid Celsius VLB 1MB/2MB........................... $215/275
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Diamond Stealth 24 VLB 1MB DRAM S3-805........ $155
Diamond Stealth Pro VLB 1/2MB VRAM S3-928... $255/315
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ATI Ultra Pro VLB 2MB VRAM 30M Winmarks........ $365
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Nanao F750i 21" 0.31DP 1600x1280NI................ $1990
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NEC 4FGe 15" 0.28DP 1024x768NI 76Hz.............. $685
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Sony 1730 17" 1024x768 0.25DP......................... $990
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MNP5 +Bitcom + Bitfax Internal/External...... $130/160

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Panasonic CR-562 320ms - need no caddy........ $189
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CD-ROM Caddy.. $6
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Creative Labs OMNI CD Upgrade Kit.................. $289
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Creative Labs Edutainment CD 16 Upgrade Kit.. $480
MediaVision Double Fusion CD 16 Internal Kit.... $595
MediaVision Pro 16 Multimedia System.............. $750

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Sound Blaster Deluxe 8 Bit.............................. $75
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Sound Blaster 16/16 ASP................................. $165/205
Sound Blaster 16 SCSI/with ASP....................... $185/215
Sound Blaster 16 MultiCD/with ASP................... $169/199
Diamond Sonic Sound 16 Bit............................ $229
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170MB IDE WDAC1170 .... $160
213MB IDE WDAC1210 .... $200
250MB IDE WDAC2250...................................... $230
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540MB IDE WDAC2540...................................... $485
Maxtor
213MB IDE 7213AT 64K 15MS............................ $195
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345MB IDE 7345AT 64K 14MS............................ $265
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213MB SCSI 7213S 64K 15MS............................ $205
345MB SCSI 7345S 64K 14MS............................ $330
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877MB MK438FB SCSI-2 12MS........................... $695
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Laptops

Continued from page 242

HP OMNIBOOK 425

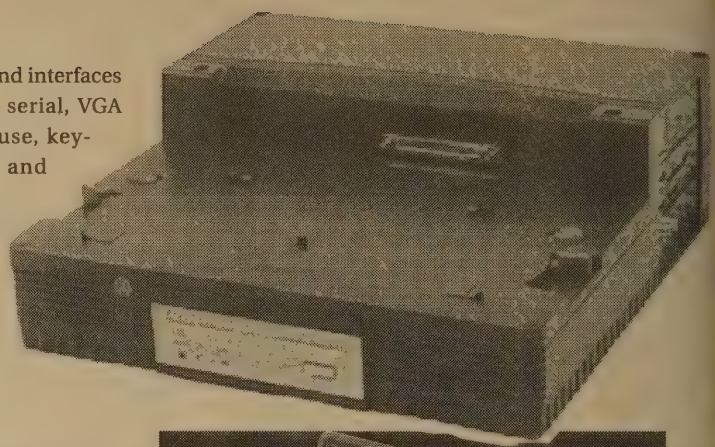
The new OmniBook 425 is a 2.9lb., 25MHz 486-based portable PC with a full-sized keyboard and a suite of Windows applications built in. It has a 9" enhanced reflective display, one PCMCIA hard disk or flash disk drive, and can run on four AA batteries. The OmniBook 425 incorporates Windows 3.1, HP's personal information management tools for the creation and communication of information on-the-go, and popular Windows applications, including Word for Windows 2.0 and Excel 4.0. Because the built-in software operates in ROM and uses self-refreshed DRAMs, the OmniBook features instant-on and one-touch task switching. Extensive communications capabilities include LapLink Remote Access PC-linking software, and optional fax/modem. (OmniBook 425 with 40MB hard disk, $2125 or with 10MB flash disk, $2375) Hewlett-Packard Co. Inquiries, 1000 N.E. Circle Blvd., Corvallis, OR 97330. 1-800-443-1254.

CYPRESS 820 DOCKING STATION

Adding greater functionality to its 820 Local Bus Notebook, Cypress Computer offers an optional docking station that includes two 32-bit VESA local bus slots and two 16-bit ISA slots. It has a built-in SCSI interface for an internal SCSI CD-ROM, an internal 3.5" full-height SCSI drive of up to 2GB plus a pair of stereo speakers. There is also an external 25-pin SCSI port to daisy-chain up to seven devices. When you can install an ISA or VESA Local Bus card in the docking station for use with an external monitor, the notebook's internal video card is disabled automatically. With a simple pull on a lever the notebook is released and you are ready to travel. ($530) Cypress Computer, Inc., 26120 Eden Landing Rd., Hayward, CA 94545. (510)786-9106.

TI INTELLIGENT DOCKING SYSTEM

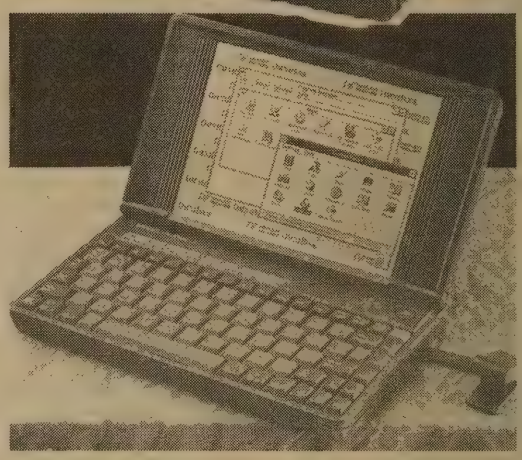
With the TravelMate Intelligent Docking System users can have the best of both notebook and desktop computing in a single system. The Load/Eject feature makes connecting a TravelMate notebook as easy as loading a videotape into a VCR. Designed for all TravelMate's with QuickPort connections, the system's expansion capabilities include three full-size and three half-size 16-bit ISA card slots; two 3.5" and two 5.25" internal drive bays (SCSI II compatible); two PCMCIA Type III card slots; and interfaces including parallel, serial, VGA monitor, PS/2 mouse, keyboard, RJ-11 jack, and game port. ($849) Texas Instruments, Inc., PO Box 6102, MS 3242, Tempe, TX 76503. 1-800-527-3500.

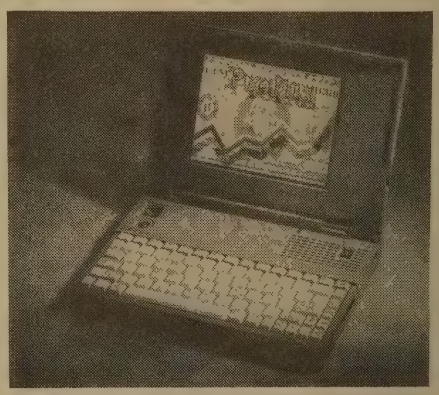


Top to bottom: Cypress 820 Docking Station; the Omnibook 425 from Hewlett-Packard; the VAR 486SLC-33MHz Color Notebook; TravelMate Intelligent Docking System from Texas Instruments.

VAR 486SLC-33MHZ COLOR NOTEBOOKS

The VAR 486SLC-33MHz Dual Scan Color Notebook offers dual scan color on a 9.5" screen while the VAR 486SLC-33MHz Active Color Notebook offers TFT active color technology on an 8.5" screen. Both models are based on the Cyrix 486SLC-33MHz chip, and come with 4MB of RAM and a 200MB hard disk. The SCSI port enables users to access and up to seven SCSI devices, including a CD-ROM drive and a scanner. In both models MS-DOS 6.0 is installed as well as support for 256 colors at 640 x 480 resolution graphics. Options include a fax/modem, a second RS-232 serial port, trackball, and Ethernet 10BaseT. (VAR 486SLC-33MHz Dual Scan Color Notebook: $2350; VAR 486SLC-33MHz Active Color Notebook: $3299) Logisys, Inc., 4749 E Wesley Dr., Anaheim, CA 92806. 1-800-333-5679.





IBM THINKPAD 750 SERIES

The ThinkPad 750 line of notebook computers support wireless communications, speech recognition, and on-screen television. Powered by a 486SL/33MHz processor, users can select a 170MB or 340MB hard disk drive and up to 20MB of RAM. They contain a 16-bit stereo audio subsystem, a high-fidelity speaker, and input/output jacks capable of supporting microphones, headphones, or portable stereo speakers. If you need greater multimedia capability, a portable docking station is available. The station provides full-motion video, built-in stereo speakers, and expansion for mass storage devices including CD-ROM. Its 6lb. weight and integrated handle make it light and easy to carry, even with the notebook locked in place.

(ThinkPad 750 active matrix color notebook with 170MB hard disk, $4699) IBM Corp., 1133 Westchester Ave., White Plains, NY 10604. (914)766-1425.

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Vesa Local Bus 486DX2-66 Multimedia System

- VLB 486DX Motherboard w/256K Ziff Socket
- Intel 486DX2-66 CPU w/Cooling Fan
- 16 MB RAM
- 425 MB Hard Drive
- Teac 1.2 & 1.44 MB Floppy Drive
- 32 Bit VLB IDE/IO w/2S/1P/1G Ports
- Spider Black Widow w/1 MB VRAM
- Pro-Audio Spectrum 16 Sound Card
- Toshiba 3401B CD-ROM Drive
- ViewSonic 15" NI .28 SVGA Monitor
- Full Size Tower Case w/300W PS
- Keytronic Keyboard
- Microsoft Mouse
- Amplified Speakers

$2879

Vesa Local Bus 486DX-33 Multimedia System

- VLB 486DX Motherboard w/256K Ziff Socket
- Intel 486DX-33 CPU w/Cooling Fan
- 4 MB RAM
- 340 MB Hard Drive
- Teac 1.2 & 1.44 MB Floppy Drive
- 32 Bit VLB IDE/IO w/2S/1P/1G Ports
- Spider Plus w/1 MB RAM
- Sound Blaster 16 Sound Card
- Panasonic 562 CD-ROM Drive
- ViewSonic 6E 14" .28 SVGA Monitor
- Mid-Size Tower Case w/230W PS
- 101 Enhanced Keyboard
- Microsoft Mouse
- Amplified Speakers

$1649

Vesa Local Bus 486DX2-66

- VLB 486DX Motherboard w/256K Zif Socket
- Intel 486DX2-66 CPU w/Cooling Fan
- 4 MB RAM
- 340 MB Hard Drive
- Teac 1.2 & 1.44 MB Floppy Drive
- 32 Bit VLB IDE I/O w/2S/1P/1G
- Spider SVGA Card w/1 MB RAM
- ViewSonic 6E NI .28 SVGA Monitor
- Mid-Size Tower w/230W PS
- 101 Enhanced Keyboard
- Microsoft Compatible Mouse

$1529

Vesa Local Bus 486DX-33

- VLB 486DX Motherboard w/256K Zif Socket
- Intel 486DX-33 CPU w/Cooling Fan
- 4 MB RAM
- 250 MB Hard Drive
- Teac 1.2 & 1.44 MB Floppy Drive
- 32 Bit VLB IDE I/O w/2S/1P/1G
- Spider SVGA Card w/1 MB RAM
- ViewSonic 6E NI .28 SVGA Monitor
- Mid-Size Tower w/230W PS
- 101 Enhanced Keyboard
- Microsoft Compatible Mouse

$1249

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SOUND BLASTER 16 SCSI

- Sound Blaster 16 SCSI
- SCSI II Interface
- SCSI Interface
- Lots Of Software Including: CD-ROM Drivers and Utility Programs

$187

- Toshiba 3401B CD-ROM Drive $339
  (200ms, 330k/s, Photo-CD Multisession, SCSI-2 Int)
- Teac CD-50 CD-ROM Drive $289
  (265ms, 335k/s, Photo-CD Multisession, SCSI-2 Int)
- Panasonic CR-562B CD-ROM Drive. $189
  (320ms, 300k/s, Photo-CD Multisession, AT Int)
- Sound Blaster 16 ..... $125
  w/Interface Card
- Sound Blaster Pro Deluxe $89
  w/Interface Card
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- AT Interface Card w/Cable..... $9
  (For Panasonic CR-562B)
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  (2x4 Watts w/AC Adapter)
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3.5" 1.44 MB TEAC Floppy Drive.....$38
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Dual1.2 MB & 1.44 MB TEAC Floppy Drive.....109
250 MB IDE WD/Maxtor/Conner.....205
340 MB IDE WD/Maxtor/Conner.....255
425 MB IDE WD 359
Conner 250 MB Tape Drive w/Tape.....139
250 MB Colorado DJ-20 Tape Drive 164

CASES

Mini-Tower w/Power Supply $44
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VIDEO CARDS

VLB Oak 1 MB.....$69
VLB Cirrus Logic 5426,1 MB 83
VLB Diamond Stealth 24 1 MB 145
VLB Diamond Stealth Pro 1 MB 245
VLB Diamond Viper 2 MB 375
VLB Orchid Fahrenheit 1 MB 139
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CONTROLLER CARDS

IDE + 1/O (2HD/2S/1P/1G).....$13
VLB ODE + I/O (2HD/2S/1P/1G) 33
VLB IDE Cache Promise DC-4030VL.....129
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VLB Intel/AMD 486DX-33/40 w/128K Opti Chipset.....$349
VLB Intel 486DX2-66 w/128K Forex Chipset.....539
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Heat Sink w/Cooling Fan for 486 CPU.....8
CPU's.....$CALL
Memory .....$CALL

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96/24.....35

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14" Interlaced .28dp 219
14" Non-Interlaced .28dp.....249
15" Interlaced .28dp 359
KFC 17" .26dp Non-Interlaced 749

*ViewSonic 6E

14" .28dp Non-Interlaced 1024x768 .....$275
*ViewSonic 15, 15" .28dp Non-Interlaced 1280x1024.....$439

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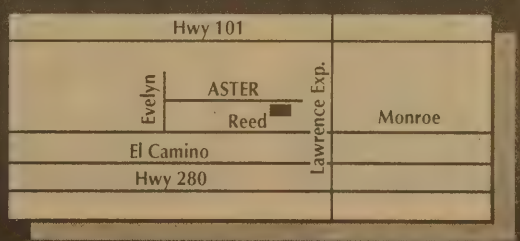


Macintosh Software

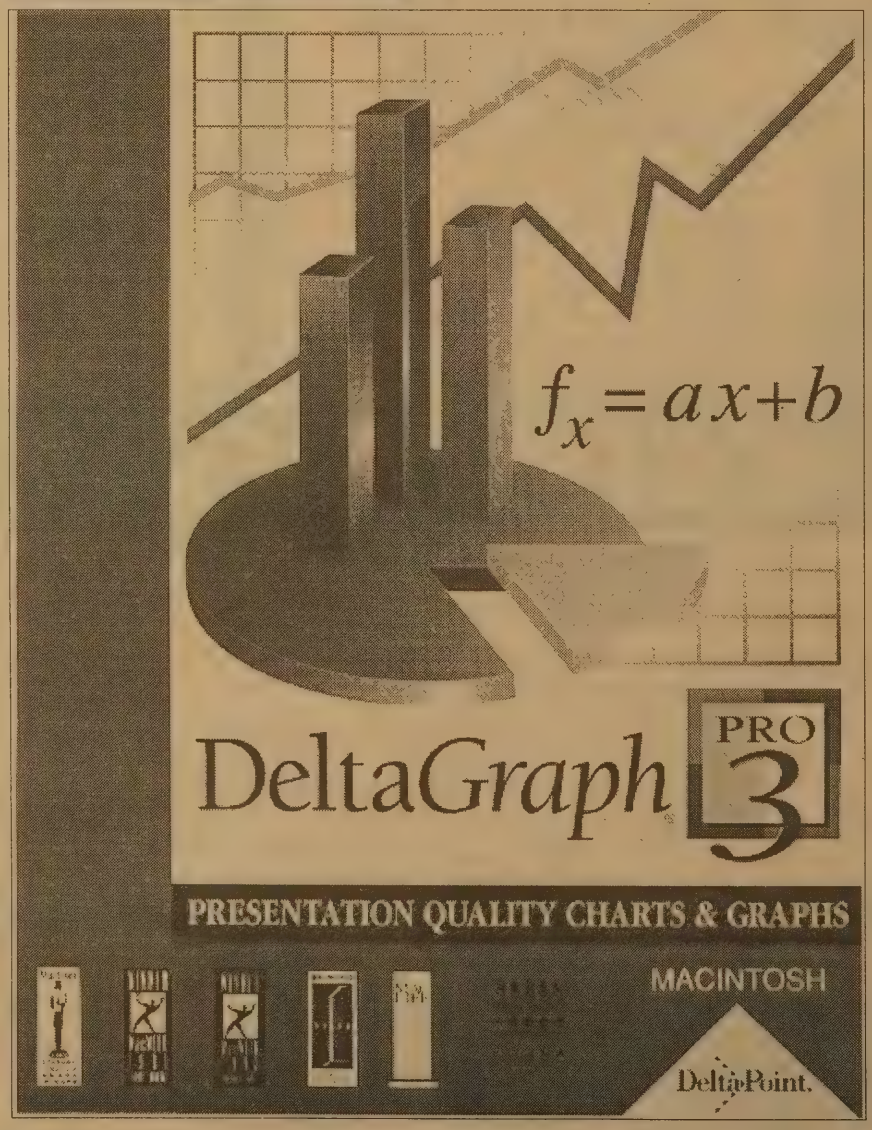
APPLE PHOTOFLASH

PhotoFlash is designed to help users of page layout and presentation software quickly and easily access, enhance, and place photos in documents. It has three key components: an integrated browser that simplifies selection of images, photo preparation tools that enhance images, and scripting capabilities that place images into popular page layout applications and automate routine tasks. PhotoFlash is optimized to manage digital images, requiring less memory and disk space. It also comes with integrated image compression technology and a selective compression feature that allows users to compress different areas of a photo and different levels. PhotoFlash accepts Photoshop plug-in modules and can be accelerated by PhotoFlash compatible accelerator cards. ($279) Apple Computer, Inc., 20525 Mariani Ave., Cupertino, CA 95014. (408)996-1010.

PIXAR SHOWPLACE 2.0

Showplace gives Macintosh users an easy, visual way to compose and produce high-quality 3-D pictures without using complex modelers. It was designed to allow users to easily access the power of RenderMan. Version 2.0 increases the universe of available predesigned shapes for picture-making by accepting DFX (AutoCAD) models in addition to RIB (RenderMan) models and by supporting an open environment for the development of RIB plug-ins. Included with Showplace is MacRenderMan and NetRenderMan. NetRenderMan allows users to distribute images to be rendered over a network of Macintosh computers. Three server licenses for NetRenderMan are included with Showplace 2.0. ($695; CD-ROM version, $495) Pixar Corp., 1001 W. Cutting, Richmond, CA 94804. (510)236-4000.

Left: Pixar Showplace 2.0; Below: DeltaGraph Pro 3 from DeltaPoint, Inc.;



SOFTWARE SOLUTIONS TERRITORY MANAGER

The Territory Manager is designed for sales reps that spend most of their time in front of prospects, and whose office may be the car, the prospect's office, or even the airport waiting lounge. Using point-and-click menus, it streamlines the most tedious chores faced by outside sales reps, including record keeping, call management, and appointment scheduling. The program also features powerful analysis tools that provide feedback on sales effectiveness, and indicate where efforts should be made to bring the greatest sales increase. Territory Manager can be tailored to meet the particular needs of a company or individual through Software Solutions customization services. ($295) Software Solutions, Inc., 6404 E. Oak St., Evansville, IN 47715. (812)477-3181.

WIN2MAC

Win2Mac, a cross-platform porting technology for Windows developers, implements the Windows 3.1 application programming interface (API) as a Macintosh library. This allows Windows developers to work with a single set of existing Windows source code to recompile and build Macintosh applications. Developers are able to port applications while working in the native Macintosh development environment because the Win2Mac library works with both the Macintosh Programmer's Workshop (MPW) and Symantec ThinkC. Altura Software, Inc., 510 Lighthouse Ave., Suite 5, Pacific Grove, CA 93950. (408)655-8005.

Continued...

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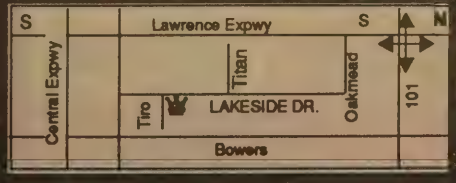

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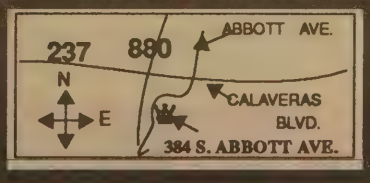

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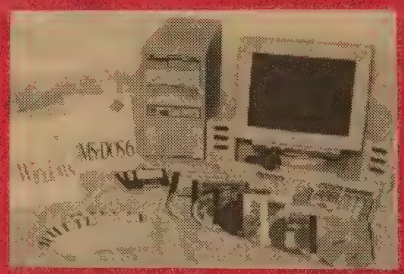

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PAN	CR-532	\SCSI	290	300	128	DBL	YES	YES	$309
PIONEER	DRM-604X	SCSI II	300	612	128	QUAD	YES	YES	$1,175
SONY	CDU-31A	SONY BUS	490	150	64	SNG	YES	YES	$149
SONY	CDU-561	SCSI II	285	300	256	DBL	YES	YES	$349
TEAC	CD-50	SCSI II	265	335	64	DBL	YES	YES	$309
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Creative Labs Video Blaster	15	8bit	640x480	3	Ntsc,Pal	$305
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Matrox Marvel	30	24bit	768x576(pal)	2	Ntsc,Pal,S-video	$Call
Media Vision Pro Movie Spec.	30	16bit	640x480	2	S-video	$279

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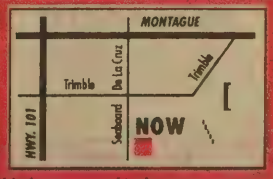

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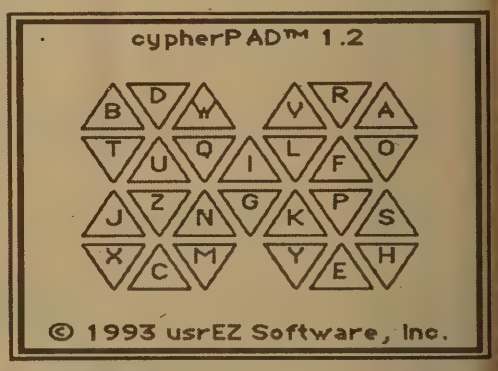
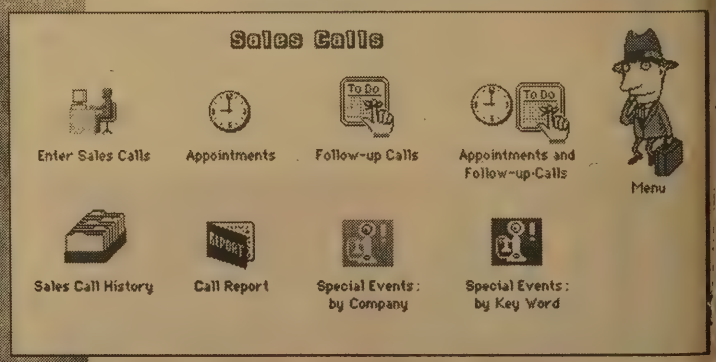
Right: cypherPAD 1.2; Below: Software Solutions Territory Manager.





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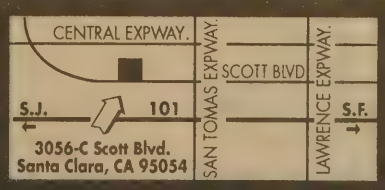

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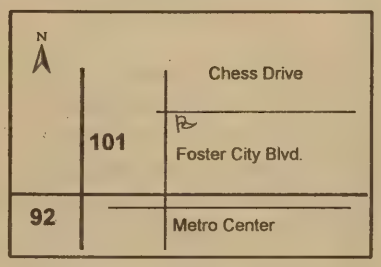

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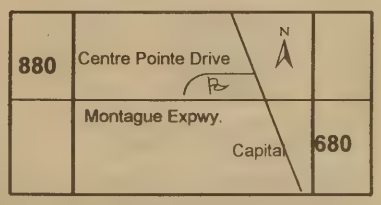

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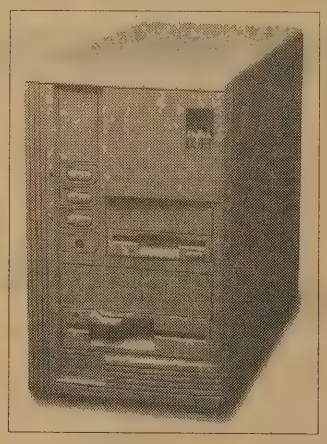

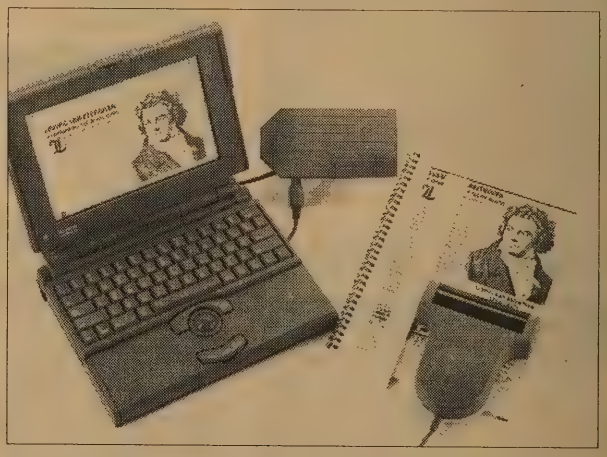

Left: the NuTek Duet; Below: ThunderWorks LightningScan Portable.

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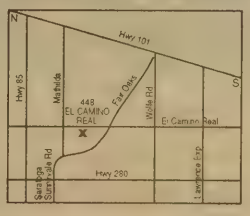

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CREATIVE LABS SOUND BLASTER	63
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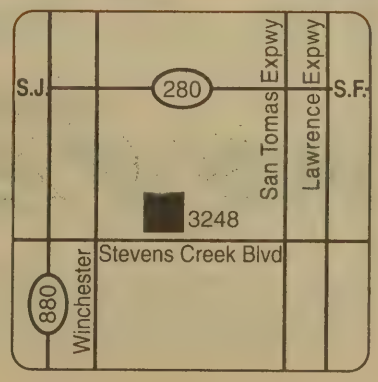

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FWB HAMMER•PE
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NUTEK DUET
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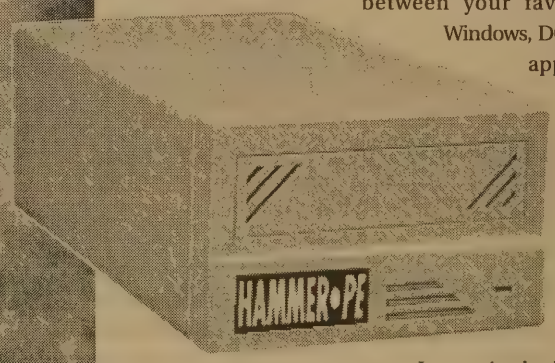

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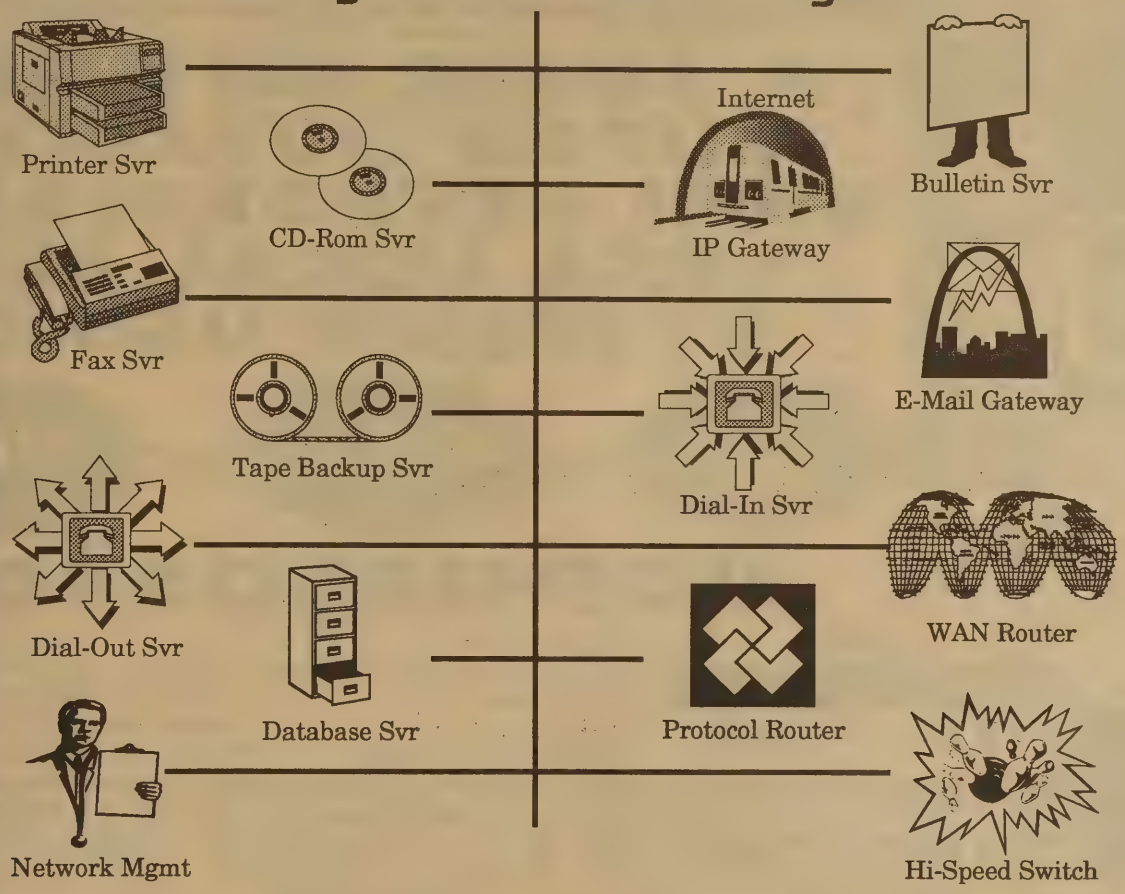

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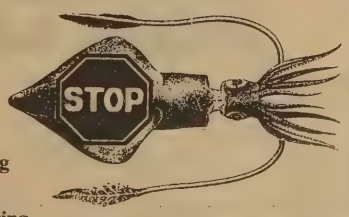

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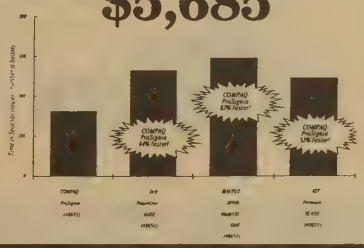

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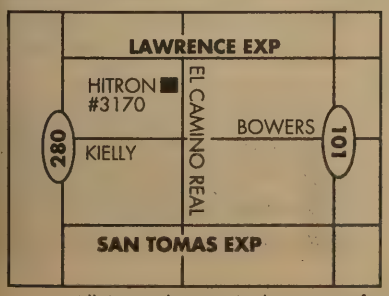

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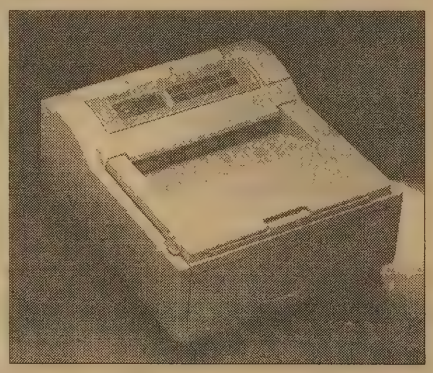
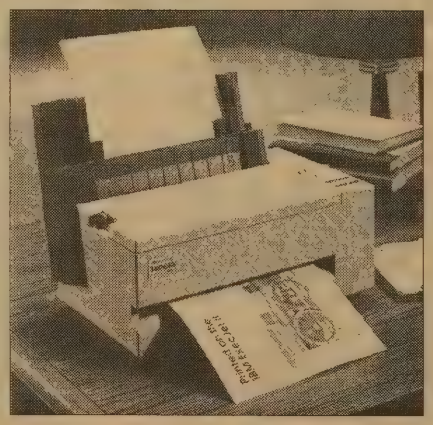
CANON LBP-430

This full-featured, energy efficient Canon laser printer is ideal for the small-business and home office consumer. It comes standard with scalable fonts, compatibility with HP LJ-IIP (PCL 5), Automatic Image Refinement technology, and 1MB of RAM. The laser printer uses Canon's superfine toner for refined text and graphics, and incorporates Canon's new on-demand fuser engine designed for energy efficiency and savings. In addition to 300dpi resolution and printing speed of four pages per minute, Canon provides a two-year warranty. ($799) Canon Computer Systems, Inc., 2995 Redhill Ave., Costa Mesa, CA 92626. 1-800-848-4123.

PANASONIC SIDEWRITER

The new SideWriter is a line of 4ppm, 300dpi, upright, laser-quality printers with a small desktop footprint. The printers stand 14" high, and take up .52 sq. ft., a space slightly larger than a standard envelope. Incorporating innovative LED printing technology, the SideWriter is available in two versions—the KX-P5400 featuring Adobe PostScript and the KX-P4400 with HP's PCL4 printer language only. Both printers use parallel interfaces and work with all IBM-compatible PCs. The PostScript model has an additional option of an AppleTalk interface for use with Macintosh computers. The PostScript printer can double as a personal plain paper fax machine with the addition of the PostScript fax option.





Top to bottom: Panasonic SideWriter upright printer; Okidata OL400e; IBM ExecJet II 4076 printer.

Faxes are sent directly from your software application using the same steps needed to print a document. (KX-P5400 is $999 and the KX-P4400 is $649) Panasonic Communications & Systems Co., Two Panasonic Way, Secaucus, NJ 07094. 1-800-742-8086.

SJ-144 PRINTER

The Star Micronics SJ-144 prints full-color and black-and-white text and graphic images on various types of paper, card stock, envelopes, and overhead transparencies. The model has a print speed of up to 382 characters per second and 360dpi raster graphics resolution. Small (12.8" x 5.5" x 6.9"), lightweight (5.5lbs), and quiet (45.5 dba), the SJ-144 utilizes a heat fusion printing process that produces smear-resistant images. Standard features include three paper paths, sophisticated fonts, and multiple printing modes such as zoom. The SJ-144 is for use with MS-DOS- or Windows-based PCs. ($599) Star Micronics America, Inc., 420 Lexington Ave., Suite 2702, New York, NY 10170. (212)986-6770.

OKIDATA OL400E

The OL400e 4ppm, laser-quality printer is ideal for the individual or small workgroup using PCs. Measuring only 1.25' square, it offers better print quality, faster speed, and lower operating costs than ink jet printers. Print drivers for Windows, Microsoft Word, WordPerfect, and Harvard Graphics are included as well as four typefaces and forty-four fonts. The built-in one hundred-sheet adjustable paper tray holds a variety of paper sizes. The OL400e also has a manual feed for labels, envelopes, and legal-size documents. It comes standard with 512K of memory, upgradable to 4.5MB. It also has an electronic cleaning and recycling system to reduce toner waste. ($699) Okidata, Inc., 532 Fellowship Rd., Mount Laurel, NJ 08054. (609)235-2600.

IBM EXECJET II 4076 PRINTER

The IBM ExecJet 4076 printer offers an affordable monochrome ink jet printer that incorporates laser printer features such as scalable fonts, advanced flash memory, and 600 x 300 dpi printing. The ExecJet II features twelve resident scalable fonts and two resident bitmap fonts. Additional fonts can be downloaded into either the optional RAM or Flash memory. The printer is designed for quick and easy set-up and use. Built-in IBM Proprinter datasteam and HP Deskjet 500 emulation provide compatibility with nearly all software applications. The "no-U-turn" paper path provides excellent paper handling reliability. ($349) Lexmark International, Inc., 740 New Circle Rd. N.W., Lexington, KY 50411-1876. 1-800-358-5835.

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ELITE ULTRA COMBO/6-Pk/24-Pk ..132/751/2,845
ELITE 10T/A 10 BaseT MCA ..198
ELITE 32T Dual Segment EISA TP ..657
3COM 3C579 EISA 10BaseT/5-Pack ..247/1,042

Token Ring

3COM Tokenlink III 16/4/10-Pk ..471/4,478
IBM Token Ring 16/4 Adapter II ..553
INTEL Token Express 16/4 ..450
IMADGE 16/4 Smart Ringnode/10-Pack ..612/5,195
IMADGE 16/4 EISA Ringnode/5Pk ..848/3,740
PROTEON 16/4 8-Bit ..391
PROTEON 16/4 P1392+ 16-Bit ..445
PROTEON 16/4 EISA ..502
SMC Token Ring Elite Adapter 16/4 ..270
SMC Token Ring 16/4 12-Pack ..2,906

See next section for Token Ring Pocket Adapters.

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NATIONAL SEMI NF3000 ISA MIC/UTP ..1,576/1,062
NF3500 EISA MIC/UTP ..1,576/1,339

PCMCIA/Parallel Port Adapters

IBM Credit Card Ethernet Adapter ..199
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Credit Card 3270 Adapter ..410
NATIONAL SEMI PCMCIA Ethernet Adapter ..189
Additional Media Coupler for Thin/10BT ..79
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XIRCOM Pocket Adapter III BNC or 10BaseT ..305
Pocket ENET III COMBO(BNC & 10BaseT) ..330
Pocket Token Ring TYPE1/TYPE3 ..580
3270 Adapter for Parallel Port ..439
Credit Card Ethernet Adapter ..290
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ASANTE MC+IIE64 Coax/MAC II ..158
MC+30IE64 Coax/IIsi & SE/30 ..158
Mini EN/SCPB Thick/Thin/10BT for Powerbook ..340
Mini EN/SC10TPB 10BaseT for Powerbook ..296
FriendlyNet FTNIISI IIS,SE/30 Coax or 10BT ..248
FriendlyNet FTNII for NuBus Coax or 10BT ..213
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CAYMAN Gatorbox Enet router, APL,AUI/BNC ..2,025
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SYNOPTICS 2800A 16 port w/ AUI ..734
SMC 3608TP 8-Port Concentrator/12-Ports ..356/646
SMC Elite 4000C TR Mau 8-port/16-port ..723/1,153
MADGE 8 Station Token Ring Hub ..490
3COM Linkbuilder TR 3C510180 ..1,873
Linkbuilder TR 3C510182 ..3,161

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ASANTE 1701 12 Ports w/SNMP module ..1,065
ASANTE View for Windows (In-Band/Out-of-Band) ..710
ALLIED TELESIS 12 ports w/SNMP module ..1,186
3COM Linkbuilder FMS TP Hub ..685
FMS Isoview Software ..459
FMS Management Module ..640
FMS Isoview Management Option ..249
DAVID SYSTEMS ExpressNet 12-port w/SNMP ..1,248
HEWLETT PACKARD Ether Twist/12 ports ..834
Ether Twist/24 ports ..2,090
Ether Twist/48 ports ..2,673
NETWORTH 3/6/10 Slot Chassis ..642/836/1,933
12 Port 10BaseT Module/Smart Module ..1,234/1,791
24 Port 10BaseT Module/Smart Module ..1,546/2,191
Tri-Segment Module 24 ports ..1,546
Tri-Segment Module w/ Mgmt 24 ports ..2,191
Tri-Segment Stackable 24 ports ..1,230
Tri-Segment Stackable 24 ports w/ SNMP ..1,932
Tri-Segment Management module (STMDB) ..836
Token Ring Module ..1,159
NetWare App. Engine w/o NetWare Runtime ..3,026
NetWare App. Engine w/ NetWare Runtime ..3,783
Hubview SNMP mgmt. software (Windows) ..950
SYNOPTICS 2803 16 ports w/AUI ..808
2804 16 ports w/Fiber Optics ..1,177
2814-04/2814-05 16 ports ..2,135/1,693
3000N 12 Slot Chassis ..1,814
3308A 12 Port module ..1,182
3314A-03 Mgmt. module w/ basic SNMP ..2,064
3314A-04 Mgmt. module w/ advarice SNMP ..3,266

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ARCserve NLM 5/10/25 users ..242/486/851
ARCserve NLM 50/100/250 users ..1035/1,147/1,449
ARCserve Solo ..128
COLORADO 2 GB SCSI Tape Drive w/Ctrl ..1,055
Power Tape Ext-25 2 GB SCSI Tape Drive w/Ctrl. 1,251
Power Tape 50-4 GB SCSI Tape Drive w/Ctrl ..1,664
Power Tape Ext 50-4 GB SCSI Tape Drive w/Ctrl. 1,870
CONNER Backup Exec for DOS/NetWare NLM. 129/270
Conner 7251QI 500 MB ..520
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FS1G Ext. 1.5GB w/Ctrl ..1,031
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ALLIED TELESIS Local Ethernet Bridge w/ SNMP 1,739
NOVELL MultiProtocol Router 2.0 ..721
3COM NetBuilder Local Ethernet (Thick/Thin) ..3,637
NetBuilder Remote Control ..2,300
NetBuilder Remote Access ..3,485
NetBuilder Remote (Thick/Thin) ..5,146
INTELLICOM Enet Local, 2AUI,2BNC,SNMP ..1,300
MADGE 16/4 Token Ring Bridge ..2,051
RETIX 4850 Remote Bridge ..3,575
SYNOPTICS 3323S Enet Local Bridge w/AUI ..2,874
SYNOPTICS 3522 Token Ring Bridge ..5,677
UDS DDS/MR1 RS232 or v.35 (56KB) ..589
UDS FT100S/V.35 DSU/CSU (T1) ..1,368

Network Modems/Comm. Servers

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ARTISOFT Central Station ..431
BRIGHTWORKS NetRemote+(100users) ..359
MICROTEST Ethernet LANModem ..1,439
MICROTEST Token Ring LANModem ..2,050
NetWare Connect 2/8/32 ports ..415/1,583/4,077
SHIVA NET MODEM/E 9600 BNC ..1,567
Lanrover 4E/8E ports w/o modems ..1,843/2,650
TELEBIT ModemMizer Software ..227
Asyn.Comm.Server 8/16 ports ..2,875/4,313
U.S. ROBOTICS Modem Sharing Kit V32BIS ..532
Dual Modem Sharing Kit ..937
Shared Access CommServ ..1,495

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CASTELLE Jetpress XIO BNC/10Base-T ..381
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Jetpress MIO Plus for HP4 ..451
LANPress 10BT (1 PAR) ..313
LANPress THIN/10BT (1PAR/1SER) ..362
LANPress THICK/10BT (2 PAR/2SER) ..512
DIGITAL PROD. NetPrint/150E 3 Parallel Ports ..638
Jetxprint MIO for HP4 ..346
EAGLE NPE400 1 LPT, BNC & 10BT ..362
INTEL Netport II for Ethernet ..396
Netport II for 10BaseT ..410
Netport II for Token Ring ..572
NetportExpress XL for BNC/10BaseT ..450
NetportExpress XL for Token Ring ..606
MILAN Fastport 1P/1S, BNC/10BT ..459
XIRCOM Print Server 1 LPT, BNC /10BT ..300/333
Token Ring Print Server ..580

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CHEYENNE FaxServe VAP/NLM ..655
OPTUS FACSys NetWare Fax Server Software ..720
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Starter Kit (1 Server, 2 nodes) ..270

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CD-Net for NetWare (NLM-10 Users) ..467
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MICRO DESIGN SCSI Express for NetWare, MDI ..564
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MT310 TP/COAX Scanner ..1,142
MT350 Value Kit ..1,877
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MacIntosh Platform ..359
Unix Platform (New Product) ..648
10 USERS license/25 Users/100 Users ..250/612/2,387
Remote ..210
MICROSOFT PC Mail v3.0 Server + 10 Users ..479
PC Mail 5/20/100 Users ..273/930/3,633
MHS Gateway/PROFS ..708/3,405
SMTP/X400 Gateway ..3,405/3,405
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BRIGHTWORKS Utilities for NetWare ..359
CHEYENNE Monitrix Network Mgmt. ..583
Inoculan (20/250 workstations) ..326/655
Utils for NetWare 286/386 ..257
CENTRAL POINT Anti-Virus NLM for NetWare 3.11 ..890
DIRECT ACCESS Network Menu ..366
FRYE NetWare Management ..339
Early Warning System ..339
Lan Directory ..339
INTEL LanDesk Manager v 1.5 ..1,070
SYMANTEC Norton Admin. 5/10 Users ..247/438
Norton Admin. 25/50/100 Users ..1,068/2,028/3,680
SABER Lan Workstation 1st node/add 1 ..159/39
MICROTEST Lan Assist ..265
Map Assist ..360
NOVELL LanAnalyzer for Windows v2.0 ..1,055
ONTRACK NetUtils 3.0 ..234
POWERCORE Network Scheduler 3 5 Users ..275
Network Scheduler 3 DOS/WIN 25 Users ..830
Network Scheduler 3 DOS ONLY 5/25 Users ..176/485
SYNERGY SOLUTIONS Modem Assist Plus ..355
XTREE XTNET File Manager ..387
XTREE Tools for networks ..543

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ARTISOFT Lantastic 5.0 A/I ..89
AE-2 Adapter 16-bit Ethernet Adapter ..217
Noderunner Starter Kit 5.0 for DOS ..477
Noderunner Starter Kit for Windows ..550
Noderunner/C Coax 16-Bit Adapter ..188
Noderunner/A Combo 16-Bit Adapter ..238
Lantastic 5.0 for NetWare/MAC ..296/578
Lantastic A/I for Win/6 /12 users ..139/540/1,030
Lantastic 5.0 for TCP/IP ..177
Etherbasket AE-2 Adapters (12 pack) ..2,172
Etherbasket AE-3 Adapters (12 pack) ..2,429
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Windows NT Single License (Requires Server) ..293
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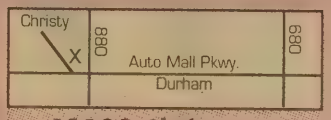

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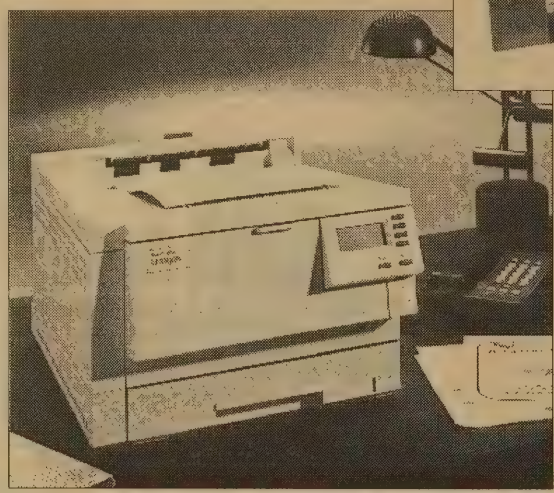

Left: HP Optiva 95R toner cartridge exchange pack; Far left: IBM 4037 5E laser printer.

HP OPTIVA 95R TONER CARTRIDGE EXCHANGE PACK

The HP Optiva 95R toner cartridge is a remanufactured cartridge designed to meet the print-quality standard of HP LaserJet printers. The HP Optiva 95R toner cartridge exchange packet contains everything users need to box and prepare the used cartridge for return. The package is sent to HP via a prepaid UPS shipping label. Users should receive the HP Optiva 95R in four to twelve days. The cartridge, priced 27% less than a new HP 92295A toner cartridge, is tested and backed by a ninety-

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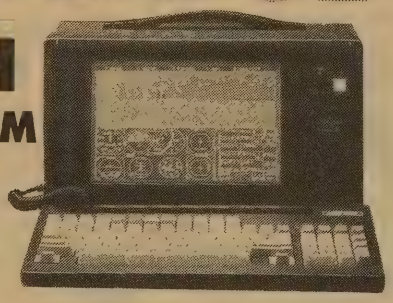

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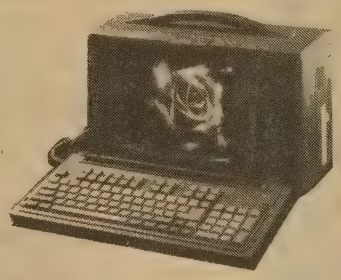

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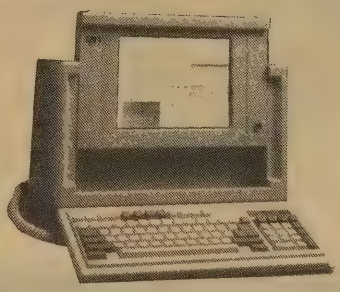

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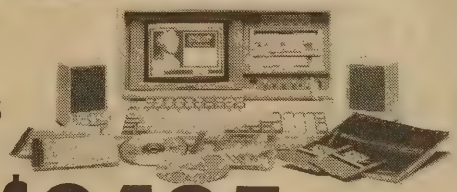

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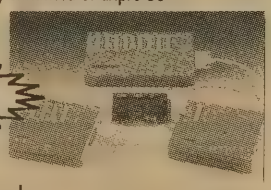

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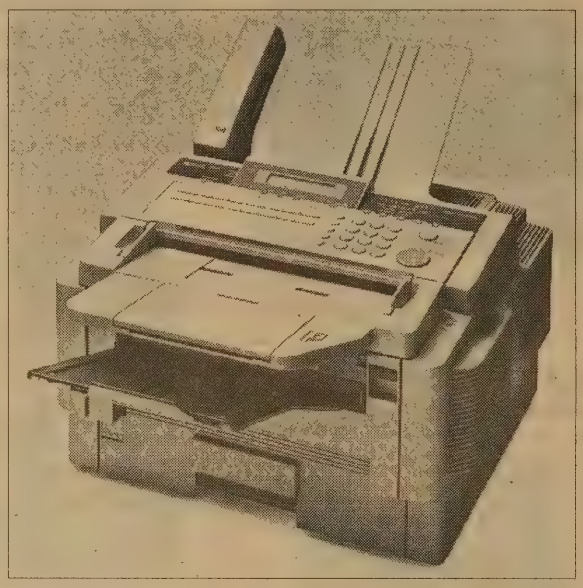

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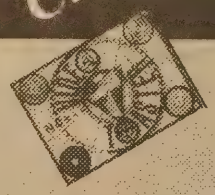

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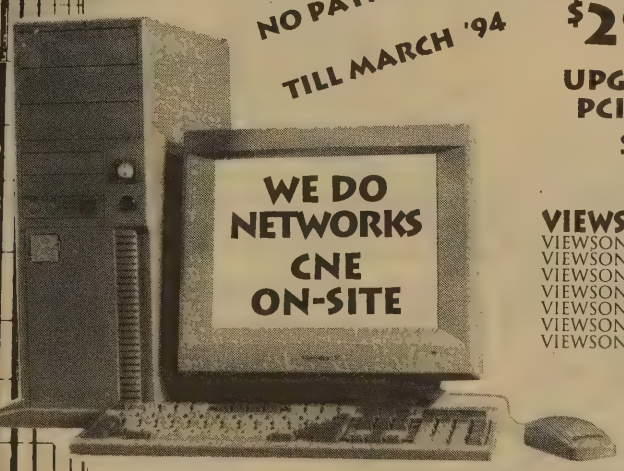

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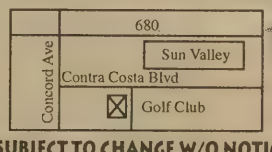

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StudioScan offers a low-cost, entry-level scanner for the office, home/small-business, and presentations graphics markets. Highlights include 300 x 600 pixels per inch (ppi) optical resolution; single pass scanning; color, continuous tone, halftone, and line art scanning modes; and a transparency option. It is packaged with a variety of scanning software, including FotoSnap and FotoLook software drivers, FotoTuneLE color management software, and Adobe's PhotoshopLE. StudioScan is supported on both the Macintosh and PC. It includes SCSI interfaces for both platforms and a SCSI board for the PC. Agfa Division Miles, Inc., 200 Ballardvale St., Wilmington, MA 01887. 1-800-685-4271, ext. 5415.

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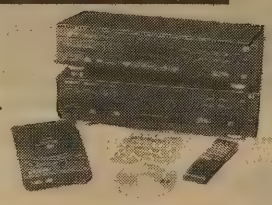

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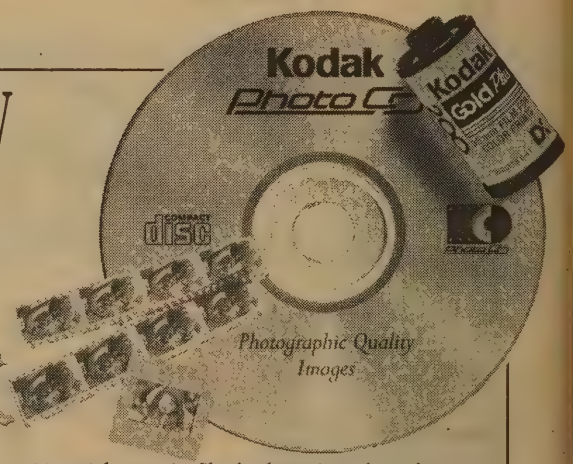

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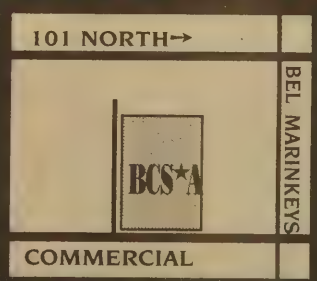

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HI-TECH USA

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SYSTEM	M/B + CPU	BASIC SYSTEM	BASIC SYS +40MB HDD + 14" MONO & MGP CARD { 80MB HDD ADD $40 }	BASIC SYS + 40MB HDD + VGA CARD & VGA MONO { 80MB HDD ADD $40 }	BASIC SYS +40MB HDD + SVGA CARD & MONITOR { 80MB HDD ADD $40 }	BASIC SYS +80MB HDD + SVGA CARD & MONITOR { 120MB HDD ADD $10 }	BASIC SYS W/4MB RAM 1.2 & 1.44 FDD +120MB HDD +SVGA CARD & MONITOR	BASIC SYS W/4MB RAM 1.2 & 1.44 FDD +170MB HDD +SVGA CARD & MONITOR	BASIC SYS W/4MB RAM 1.2 & 1.44 FDD +200MB HDD +SVGA CARD & MONITOR	BASIC SYS W/4MB RAM 1.2 & 1.44 FDD +250MB HDD +SVGA CARD & MONITOR	BASIC SYS W/4MB RAM 1.2 & 1.44 FDD +340MB HDD +SVGA CARD & MONITOR	BASIC SYS W/4MB RAM 1.2 & 1.44 FDD +540MB HDD +SVGA CARD & MONITOR
486DX2-66/256C PCI	$724	$868	$1,056	$1,106	$1,176	$1,228	$1,396	$1,436	$1,456	$1,476	$1,526	$1,726
486DX-33/256C PCI	538	678	866	916	986	1,038	1,206	1,246	1,266	1,286	1,336	1,536
486DX2-66/256C ORCHID VLB	618	778	966	1,016	1,086	1,138	1,306	1,346	1,366	1,386	1,436	1,636
486DX-50/256C ORCHID VLB	578	738	926	976	1,046	1,098	1,266	1,306	1,326	1,346	1,396	1,596
486DX-33/256C ORCHID VLB	438	598	786	836	906	958	1,126	1,166	1,186	1,206	1,256	1,456
486SLC2-66/64C IBM VLB	254	398	586	636	706	758	926	966	986	1,006	1,056	1,256
486SLC2-50/64C IBM VLB	208	348	536	586	656	708	876	916	936	956	1,006	1,206
486DX2-66/128C VLB	508	658	846	896	966	1,018	1,186	1,226	1,246	1,266	1,316	1,516
486DX-50/128C VLB	478	628	816	866	936	988	1,156	1,196	1,216	1,236	1,286	1,486
486DX2-50/128C VLB	358	518	706	756	826	878	1,046	1,086	1,106	1,126	1,176	1,376
486DX-33/128C VLB	342	488	676	726	796	848	1,016	1,056	1,076	1,096	1,146	1,346
486DLC-40/128C VLB	168	328	516	566	636	688	856	896	916	936	986	1,186
486DX2-66/128C EISA	558	718	906	956	1,026	1,078	1,246	1,286	1,306	1,326	1,376	1,576
486DX-50/128C EISA	528	678	866	916	986	1,038	1,206	1,246	1,266	1,286	1,336	1,536
486DX-33/128C EISA	386	538	726	776	846	898	1,066	1,106	1,126	1,146	1,196	1,396
486SLC2-50C IBM ISA	174	324	512	562	632	684	852	892	912	932	982	1,182
486DX2-66C ISA	468	628	816	866	936	988	1,156	1,196	1,216	1,236	1,286	1,486
486DX-50/128C ISA	468	608	796	846	916	968	1,136	1,176	1,196	1,216	1,266	1,466
486DX2-50C ISA	348	508	696	746	816	868	1,036	1,076	1,096	1,116	1,166	1,366
486DX-40/128C ISA	324	458	646	696	766	816	986	1,026	1,046	1,066	1,116	1,316
486DX-33C ISA	314	454	642	692	762	814	982	1,022	1,042	1,062	1,112	1,312
486SX-33C ISA	164	324	512	562	632	684	852	892	912	932	982	1,182
486SX-25C ISA	134	294	482	532	602	654	822	862	882	902	952	1,152
486DLC-40/64C ISA	138	276	464	514	584	636	804	844	864	884	934	1,134
486DLC-33/64C ISA	128	266	454	504	574	626	794	834	854	874	924	1,124
386DX-40/64C	98	234	422	472	542	594	762	802	822	842	892	1,092
386SX-40	72	228	416	466	536	588	756	796	816	836	886	1,086
386SX-33	64	222	410	460	530	582	750	790	810	830	880	1,080

*** BASIC SYSTEM CONFIGURATION:** Motherboard & CPU, 1MB memory installed, 1:1 2HD/2FD controller with 2S/1P/1G, 1.2MB or 1.44MB Floppy Drive, Internal Clock/Calendar, Enhance Case with Power Supply, and 101-Key Enhanced Keyboard.

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DELUXE SYSTEMS

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386SX-40 778
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486SX-25/128K 868
486SX-33/128K 898
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486DLC-40/64K 828
486DX-33/128K 1,018
486DX-40/128K 1,008
486DX2-50/128K 1,078
486DX-50/128K 1,158
486DX2-66/128K 1,198
486 DX-33/128K EISA 1,094
486DX-50/128K EISA 1,244
486DX2-66/128K EISA 1,294
486SLC2-50/64K VLB 898
486SLC2-66/64K VLB 944
486DLC-40/128K VLB 838
486DX-33/128K VLB 1,028
486DX-50/128K VLB 1,168
486DX2-66/128K VLB 1,208
486DX-33/256K PCI 1,254
486DX2-66/256K PCI 1,444
586 Pentium VLB 2,424

SYSTEM CONFIGURATION

- Motherboard w/CPU
- 4MB RAM 70NS
- 120MB Fast Hard Drive
- 1.2MB and 1.44MB Floppy Drive
- IDE 2HD/2FD Controller w/2S/1P/1G
- 512KB SVGA Card
- 14" SVGA .28 Color Monitor
- 101-Key Enhanced Keyboard
- Enhanced Case w/Power Supply
- Microsoft Compatible Mouse w/Pad

OPTIONS

- 170MB Hard Drive.....Add $45
- 200MB Hard Drive.....Add $60
- 250MB Hard Drive.....Add $75
- 340MB Hard Drive.....Add $120
- 540MB Hard Drive.....Add $320
- 14" Non-Interlaced Monitor.....Add $20
- 15" Non-Interlaced Monitor.....Add $120
- VLB IDE Controller.....Add $20
- PCI Bus VGA Card w/1MB.....Add $170
- 16BIT SVGA Card w/1MB.....Add $20
- Window Accelerator w/1MB.....Add $30
- Orchid Fahrenheit 1280.....Add $110
- Diamond S.S. Pro VLB w/1MB.....Add $70
- Orchid Fahrenheit VLB w/1MB.....Add $120
- 250MB Tape Back-up.....Add $130
- 16BIT Ethernet Card.....Add $50
- Deluxe Speakers.....Add $10
- Sony or Mitsumi CD-ROM.....Add $150
- Sound Blaster Pro Deluxe.....Add $110

VESA DELUXE SYSTEMS

ORCHID VLB SYSTEMS

486DX-33/256K.....$1,548
486DX-50/256K 1,698
486DX2-66/256K.....1,728

SYSTEM CONFIGURATION

- Orchid VLB Motherboard
- Orchid Fahrenheit VLB w/1MB
- VLB IDE Controller w/2S/1P/1G
- 4MB High Speed RAM
- 250MB Fast Hard Drive
- 1.2MB Floppy Drive
- 1.44MB Floppy Drive
- 15" Non-Interlaced Monitor
- Focus 9000 Keyboard
- Medium Tower Case w/PS

OPTIONS

- 340MB Hard Drive.....Add $60
- 540MB Hard Drive.....Add $260
- 17" Non-Interlaced Monitor.....Add $270
- Sound Blaster Pro Deluxe.....Add $110
- 250MB Tape Back-up.....Add $130
- Sony or Mitsumi CD-ROM.....Add $150
- Creative Labs Eductainment 16 Upgrade Kit.....Add $470

BEST BUY NOTEBOOKS

- 4MB RAM
- 120MB HARD DRIVE
- 1.44 FLOPPY DRIVE
- 1S / 1P
- BUILT-IN TRACKBALL
- BATTERY PACK
- CARRYING CASE

Super Sales	Mono	Dual Scan Color	Active Matrix Color
486SX-25	$1,298	$2,058	$2,798
486SX-33	1,348	2,108	2,848
486DX-33	1,548	2,258	2,998
486DX2-50	1,628	2,308	3,048
486DX2-66	1,778	2,458	3,198

UPGRADES

- Microsoft DOS 6.2.....Add $50
- 8MB RAM.....Add $248
- 20MB RAM.....Add $1,600
- 200MB Hard Drive.....Add $130
- 340MB Hard Drive.....Add $330
- Internal Battery Pak.....Add $95
- Internal Fax Modem.....Add $124
- Pocket Fax Modem.....Add $120
- Docking Station.....Add $375

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Full Tower Case w/250W Power Supply	92

CD-ROM / MULTIMEDIA

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Sound Blaster	$58
Sound Blaster Pro	98
Sound Blaster Pro Deluxe	103
CD ROM Upgrade Kit	328
Discovery CD 16 Upgrade Kit	406
Edutainment CD 8 Upgrade Kit	406
Edutainment CD 16 Upgrade Kit	462
Diamond Sonic Sound Card (SCSI)	226
Mediavision Pro Audio Spectrum 16	134
Orchid Soundwave Sound Card (AT)	226
Chinon CDS535 (Int.) SCSI	316
Mitsumi CD-ROM (350MS)	140
NEC CD-ROM 84 (SCSI) Internal	326
SONY CD-ROM 31A	140
TEXEL	
DM3021 (SCSI) Internal	198
DM5021 (SCSI) External	278
DM3028 (SCSI) Internal	348
Toshiba XM-3401B (200ms) SCSI	334
Trantor SCSI Host w/Driver	52
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Deluxe Speakers	10

CD SOFTWARE TITLES

American Business Phone Book-1992	16
Animals v1.0 DOS	14
Annabel's Dreams-Egypt	67
Arthur's Teacher Trouble	20
Atlas Pak v3.1 World/US	19
Battle Chess DOS	15
Beyond the Wall of Stars	19
Beauty & Beast MPC	12
Bring the World to Your Senses	11
Campton's Family Encyclopedia	32
Campton's Encyclopedia MPC	54
Carmen San Diego DOS	18
CD Game Pack II DOS	15
CD Storytime DOS	14
Chess master 3000 MPC	15
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Composer Quest MPC	23
Desert Storm MPC/MAC	16
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Dinosaur Adventure	19
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Family Doctor DOS/MAC	16
Family Education Collections DOS	16
Great Cities-Vol 1 / Vol 2 DOS	16
Guinness Disk of Records MPC	17
Jets & Props MPC	19
Jones in Fast Lane MPC	14
King's Quest V DOS	13
Kodak Photo CD Access	12
Language of the World	22
Library of Future 1st DOS	44
Loom From Lucas Film DOS	15
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Mantis Experimental Fighter	15
Mario is Missing/World Atlas 3.2	15
Mavis Teaches Typing MPC	15
Mayo Clinic Family Health	16
Media Clips - 4 Pk MPC/MAC	34
Micropose Collection 4 Games	18
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Microsoft Works MPC	50
MIDI Music Shop	15
Mixed-up Mother Goose MPC	15
Monkey Island DOS	15
MPC Audubon's Birds	14
MPC Audubon's Mammals	14
National Geographic Mammals DOS	19
National Park	16
Ocean Digital Imagery VI DOS	18
PC SIG 12th Edition	22
Peter & Wolf MPC	12
Playing with Language (English)	21
Playing with Language (French)	21
Playing with Language (German)	21
Playing with Language (Japanese)	21
Playing with Language (Spanish)	21
Publish It 2.0 DOS	18
Secret Weapons/Luftwf DOS	14
Sherlock Holmes DOS	15
Sleeping Beauty	14
So Much Shareware II DOS	13
So Much Shareware III DOS	17
Sound Library MPC	11
Space Adventure	23
Space Quest IV By Sierra DOS	18
Space Shuttle	18
Sport's Best (3 in 1) DOS	18
Stellar 7 DOS	14
Survey of Western Art MPC	24
The Seventh Guest	44
The Right College	18
Time Almanac 1991 DOS	15
Time Table of History DOS	15
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Tool Works Encyclopedia MPC	38
Total Baseball DOS/MAC	16
US Atlas v3.1 MPC	14
US History DOS/MAC	16
USA Wars: Civil War DOS/MAC	24
USA Wars: Vietnam DOS/MAC	24
USA Wars: WW II DOS/MAC	24
USA Wars: Korea	24
Wild Places DOS	12
Willy Bearnish The Adventure	18
Wing Command & Ult VI DOS	15
Wizard PC/MAC	13
World Atlas v3.2 MPC	11
World View DOS	10

CONTROLLERS

IDE 2FD/2HD with 2S/1P/1G	$13
IDE with I/O for VESA Local Bus	28
Adaptec	
1542CF (SCSI)	176
1542CFK w/Kit (SCSI)	230
1742A EISA (SCSI)	318
2742 EISA (SCSI)	298
2742TK EISA (SCSI)	356
2742T EISA (Twin SCSI)	326
2842VLK EISA VLB (SCSI)	296
Asus EISA (SCSI)	258
BusLogic 445S VLB (SCSI)	260
DTC 2290 EISA IDE	118
DTC 2280 ISA IDE	16
DTC 2270 VLB IDE	86
DTC 3290 EISA SCSI	418
Promise DC-200 IDE Cache Controller	96
Promise DC-420 VLB w/512K Cache	114
Promise DC-4030 VLB IDE Cache Controller	128

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40MB 25MS / 80MB 19MS IDE	$108 / 144
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540MB 12MS SCSI	468
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1.7GB 13MS / 2.0GB 13MS SCSI	1,098 / 1,148

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OMNI 101 NI / 102	66 / 66
OMNI Ultra T or F	88

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387DX-40	$52
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2400 Modem (w/9600 Send Fax)	$24
Fax Modem (9600 Fax/2400 Modem)	38
Fax Modem (14,400 Fax/14,400Mdm)	112
Pocket Fax Modem (14,400/14,400)	196
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Accura 14400 Fax Modem Int	218
Accura 14400 Fax Modem Ext	244
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14.4 Fax Modem Int/Ext	158 / 178
96/96 Fax Modem Int/Ext	148 / 158
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Sportster 9600 Modem Int	138
Sportster 14400 Modem Int	144
Sportster 14400 Modem Ext	156
Sportster 14400 Fax Modem Int	150
Sportster 14400 Fax Modem Ext	164

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CPS1760LR 17" 1280•1024 MPR II	748
Hitachi	
CM1584MV 15" 1280•1024 .28 NI	444
CM2095 20" 1280•1024 .28 NI	1,264
CM2187M 21" 1600•1280 Microp	2,044
MAG	
MX15F/15F(LR) 15" 1280•1024 .28 NI	448/470
MX17F 17" 1280•1024 .26 NI (Original)	840
NANAO	
F340IW 15" 1024•768 .28 72Hz	524
F550I 17" 1280•1024 .28 NI	924
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T560I 17" 1280•1024 .26 TRIN	1,624
T660I 20" 1280•1024 .31 72Hz	2,374
F750i 21" 1280•1024 .31 NI	1,988
NEC	
3V 15" 1024•768 .28NI	524
3FGe 15" 1024•768 .28 NI	566
4FGe 15" 1024•768 .28 NI	666
5FGe 17" 1024•768 .28 NI	1,046
5FGp 17" 1280•1024 .28 NI	1,388
SONY	
1430 14" 1024•768 .25 NI	548
1604S 17" 1024•768 .25 NI	888
1730 17" 1024•768 .25 NI	946
17SE 17" 1600•1280 .25 NI	1,198
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4E 14" 1024•768 .28 Int	256
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7 17" 1280•1024 .28 NI	788
15E 15" 1024•768 .28 NI	376
15 15" 1280•1024 .28 NI	432
17 17" 1600•1280 .28 NI	938
20 20" 1600•1280 .28 NI	1,606
21 21" 1600•1280 .26 NI	1,844

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Logitech	
Cordless	82
Mouseman Serial/Bus	38 / 58
Trackman	74
Scanman 256	198
Microsoft Mouse Serial/Bus	33 / 58

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16 BIT Ethernet Cards (10 Base-T/Coax)	44
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ANSEL	
P-NS2000-BA 10 Base-2 & AUI	96
P-NS2000-TA 10 Base-T & AUI	86
P-NS2000-3 10 Base-T & 2 & AUI	108
ARCnet	
4-Port Passive Hub	12
8-Port Active Hub	102
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GSX-145 (24-Pin) Wide	358
Color Option for Citizen Printers	48/68
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KX-P1624 (24-Pin) Wide	348
KX-P2180 (9-Pin)	155
KX-P2023 (24-Pin) Quiet	198
KX-P2123 (24-Pin) Color Capacity	216
KX-P2124 (24-Pin) Color Capacity	318
KX-P2624 (24-Pin) Quiet Wide	378
Color Upgrade Kit KX-PCK11	48

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Conner 250MB Int	$120
Colorado	
DJ-10 Tape Back-up 120MB	94
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Tape QIC-80 3M DC2120	16
JT-10 Trakker 120MB Ext	282
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PT-25 Power Tape 2.4GB Int	964
PT-50 Power Tape 4GB Int	1,468
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2GB w/Controller (SCSI)	878
4GB w/Controller (SCSI)	1,198

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VGA256K / SVGA 512K 16 BIT	$28 / 38
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Window Accelerators w/1MB	56
Cirrus Logic VLB w/1MB	84
Trident VLB w/1MB	72
ATI	
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Graphics Ultra Plus 2MB (ISA)	228
Graphics Ultra Plus 1MB / 2MB (VLB)	218 / 278
Graphics Ultra Pro 2MB (ISA)	308
Graphics Ultra Pro 2MB (VLB)	314
Graphics Ultra Pro 2MB (EISA)	356
Diamond	
Speed Star Pro 1MB (ISA / VLB)	104
Stealth 24 VLB 1MB	142
Stealth Pro VLB 1MB (VRAM)	236
Stealth Pro VLB 2MB (VRAM)	308
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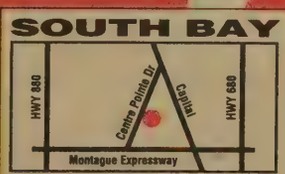

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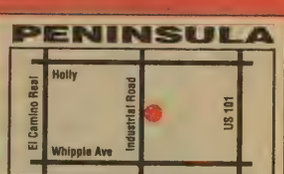

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Telecommunications Software

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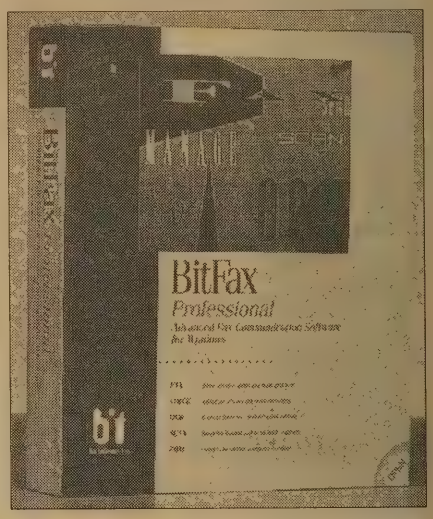
BitFax Professional for Windows offers a complete fax, voice, and data communications product in a simple, easy-to-use solution. In addition to offering the ability to fax from any Windows application, its SharePort technology automatically distinguishes between fax, voice, and data calls. As an integrated solution, software conflicts that occur from using multiple communication applications are eliminated. BitFax Professional's Voice Manager can receive, log, record, play, and store personal messages, turning a PC into a personal answering machine. It also lets users create multiple personal mailboxes, each with a personal greeting. Users can password protect their mailbox and select Auto Pager, a feature that calls their pager after they receive a voice message or fax. It also includes AnyFax OCR, which converts faxes into text and supports more than ten languages. ($129) Bit Software, Inc., 47987 Fremont Blvd., Fremont, CA 94538. (510)490-2928.

ALADDIN SITCOMM

SITcomm—Simple Intuitive Telecommunications—allows Macintosh users to easily connect to commercial online services, bulletin board services, and the Internet. Its features include automated logons, auto-expansion of compressed files, built-in compression, translation of non-Mac files, and scripting capabilities with AppleScript or UserLand Frontier. SITcomm automates logons through an Address Book that contains the user's settings for each service used. Each Address Book entry includes the service type, phone number, user ID, password, and other logon information. SITcomm also offers features for travelers and PowerBook users, including calling card dialing and power saving enhancements. ($120; registered users of any Aladdin commercial or shareware product can purchase SITcomm for $39; for registered users of competing telecommunications programs it is $49) Aladdin Systems, Inc., 165 Westridge Dr., Watsonville, CA 95076. (408)761-6200.



Continued on page 320

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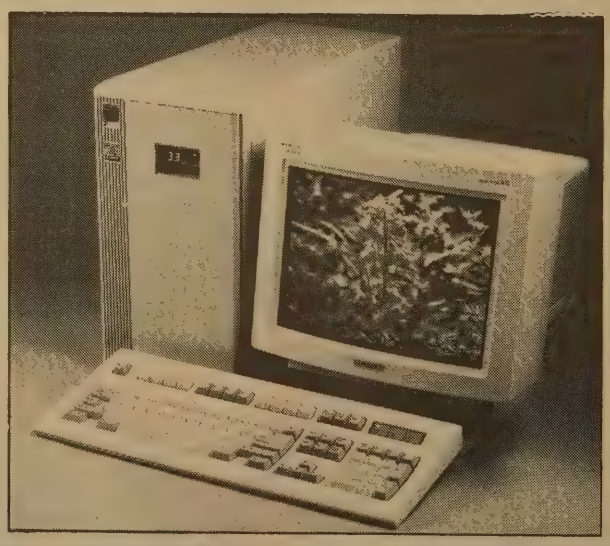

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* KeyTronic 101 Enhanced Keyboard
* Microsoft Mouse (Ser) 400 DPI
* Mini Tower Case with UL & CSA
* 100 % IBM Compatible

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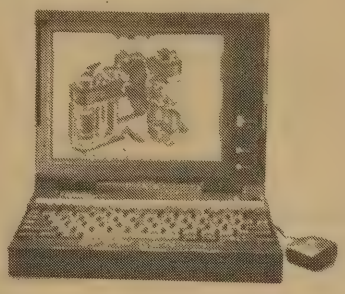
486 DX-33Mhz	$1138
486SX33Mhz	$1045

Powerful 486 Notebooks....

Texas Instruments TravelMate 4000 Computer



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486DX2/50MHZ, 4MB RAM exp. TO 20MB
VGA 640x480, TFT Active VGA Color
1.44 Floppy Drive, 200MB HD, DOS6.
Ballpoint Mouse, WINDOWS 3.1.

BEST

486DX2/40MHZ, 8MB RAM exp. TO 20MB
SUPPORT VGA 640x480, 1024X768 Color
1.44 FD, 200mb HD, Ballpoint Mouse
DOS6, WINDOWS 3.1. Battery Pack.

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DOS6, WINDOWS 3.1, Battery pack.

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Support 640X480, 800X600, 1024X768.
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DOS6, WINDOWS 3.1, L.T. Manager

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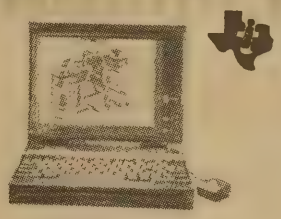
1.44 Floppy drive, 120mb HD, Mouse
DOS6, WINDOWS 3.1, L.T. Manager

$1959/25DX

486DX2/50MHZ, 8MB RAM Exp. to 20MB
Support 640X480, 800X600, 1024X768.
1.44 Floppy drive, 200MB HD, Mouse
DOS6, WINDOWS 3.1, Battery Pack

$2759

TI TravelMate 4000 WinSLC



- 486SLC25Mhz, 4MB RAM exp to 6MB
- Support 640X480, 800X600,
- 1.44 Floppy drive, 80mb HD, Mouse
- DOS6, WINDOWS 3.1, L.T. Manager

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T1900/T1900C . . . . . Best
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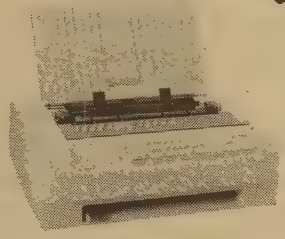
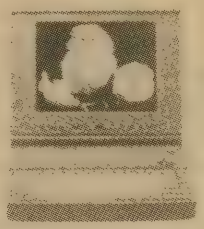


- 300/300pcs draft / letter quality
- 128 nozzles, 24K memory, PCL3,
- 1400 pages / cartridge, parallel

$259 after rebate

McTEK 6500 ACTIVE COLOR



- 486DX CPU, 4MB RAM EXP. TO 20MB
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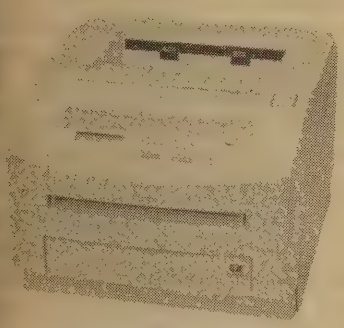
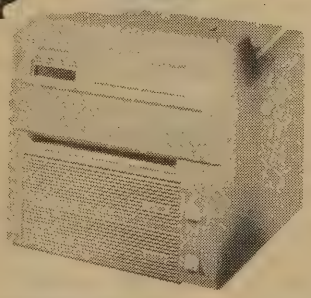


- 5PPM, 2MB RAM, 300DPI,
- Adobe Postscript & PCL4
- parallel and Appletalk

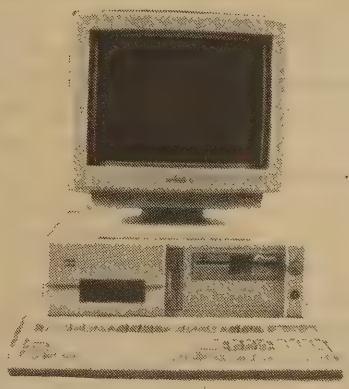
$699 PS23 **$999** PS65

TI MicroLaser Pro 600 DPI



- 8PPM, 6MB RAM, 600DPI,
- Adobe Postscript Level 2 & PCL5
- parallel and Appletalk (auto switch)

$1339 after rebate



McTEK 486-33 / 50 66DX

Intel 486DX CPU W/256k CACHE
1.2MB FLOPPY DRIVE
4MB RAM, 250MB Hard Disk
2 Serial ,1Parallel, 1Game Port.

	33DX	50DX	66DX/2
VESA	$1159	$1359	$1399
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IBM 486-50/66SLC VESA

IBM 486SLC2-50 CPU w/64K Cache
1.2MB FLOPPY DRIVE
4MB RAM, 250MB Hard Disk
2Serial 1Parallel 1Game Port

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NEC 610 . . . . . $675
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Practical 14.4 Mini Tower $229
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Tape Backup

Colorado 250MB Int $179
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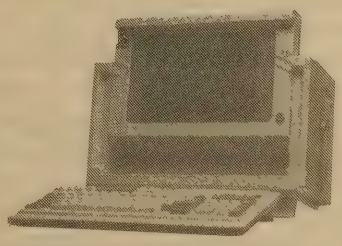
Portable Computer



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MicroTimes Writers' Soapbox Awards

continued from page 164

that they can spend $16 billion on fiber-optic services—for those wealthy enough to afford them—in several limited areas of California in the next few years).

Internet to the World: For reaching beyond local dial-up, to about two million networked computers and fifteen to twenty million users, the nonproprietary, nonprofit, cooperative, public Internet is the way to go. But how to get there?

Many folks already have Internet access—at work, or in their K-12 school, or via their local college or university, or through some nonprofit organization, or in their public library, or through one of the free or hyper-low-cost community networks that are popping up all over. For those who don't—and even those who want to check into the numerous provocative internal dialogues among thousands of users, check into the WELL, Portal, and Netcom.

The WELL is one of the oldest and best-known public Internet hosts, famous for its online commentaries by numerous industry luminaries (415/332-4335 voice). Fees are $15/month + $2/hour (plus long-distance costs or CompuServe Packet Net at $4/hour).

Beyond the WELL, I'm torn between Portal and Netcom—I like both of 'em.

Portal (408/973-9111 voice) has been around longer. Their rate for an individual's account is $19.95/month with *unlimited* connect-time (plus $19.95 one-time setup fee, plus long-distance or SprintNet access—but they have free local dial-up in San Mateo, Redwood City, Mountain View, and Cupertino).

Netcom (1-800-501-8649 voice) is comin' on like gang-busters. Their rate for a personal account is $17.50/month on a credit card, also with *unlimited* connect-time (after a one-time cost of $34.50 that includes the first month of service; plus long-distance or datanet access—but they have twenty-one toll-free local dial-up sites in a growing number of areas, around and beyond California).

Wireless MAN: For full-blown Internet access as a TCP/IP host—*without* paying a high-speed ransom to the copper-wire monopoly—take a look at spread-spectrum, broadcast-based Metropolitan-Area Networking via Tetherless Access, Ltd. (510/659-0809). They are about to offer 64-kilobaud Internet access for fixed fees of about $200/month (San Francisco Bay Area)—up to perhaps $350/month for some other areas. Beyond the Bay Area, they are planning services for the metropolitan areas around San Diego and Davis in California, as well as Washington, DC; Chicago; and Telluride, Colorado. The radio hardware currently costs about $3000/node and a single node can serve as many host computers as you want to connect to the 64Kb and Internet link.

Spread-spectrum technology has been around since the '70s. It's what the cellular carriers are switching to for better service, fewer disconnects, better frequency usage, and much greater privacy. Tetherless has been operating a prototype system for the San Diego Public Libraries for well over a year. *Hot stuff!*

For Internet novices: There are two books that I routinely recommend to those wanting to learn—or learn more—about the Internet: *The Whole Internet* (see next paragraph) and Brendan Kehoe's highly readable *Zen and the Art of the Internet* (112 pages, Prentice Hall; Englewood Cliffs NJ). You can finish *Zen* in a few hours, and end up with a good overview of what the Internet is, the basics of how it works, and a reasonable understanding of most of the powerful services it provides.

Net (and UNIX) books: There's a definitive source of *outstanding*, completely detailed tutorials and reference books about TCP/IP networking, the Internet, USENET, and most of the lurid intricacies of UNIX—O'Reilly & Associates, Inc. (1-800-998-9938). They are a small publisher, have carefully carved out their turf, and serve it exquisitely.

O'Reilly's 376-page, *The Whole Internet: User's Guide and Catalog*, by Ed Krol, has become the default-standard tutorial and detailed reference manual about the Internet.

Their 443-page, *!%@:: Addressing & Networks*, by Frey and Adams, is the default-standard directory and reference book for global electronic mail.

Their Nutshell series, plus a raft of other books, are the default-standard reference works for UNIX—with equally excellent books and series covering X-Window, OSF, Motif, etc.

BBSing: There is a monthly magazine that delves into BBS systems and online issues with a level of candor and bluntness usually missing from our industry's trade rags (though *MicroTimes* does permit us columnists to flame forth with—as far as I can tell—absolute freedom; *delightful!*). The laudable BBS rag is called *BoardWatch* (1-800-933-6038).

Note: Beginning in the mid-'70s, I founded half a dozen computer rags. I receive about half a dozen trade periodicals every week, and regularly scan about six of 'em. But I gotta tell ya—*BoardWatch* is the only one where I almost invariably *read* most of its non-product articles. I find that most advertising-supported rags deal almost entirely with politely phrased product presentations and reviews—toys that I endlessly covet, of course—but their non-product features often appear to be for big-buying business users (*yawn!*).

In vivid contrast, *BoardWatch* sez it like it is—readily airing unfettered commentary-with-rationale and frothing letters and (reprinted) email from readers.

Freedom & Privacy

There's one final un-product—freeware—that I want to recommend: Phil Zimmermann's PGP (Pretty Good Privacy). It's an implementation of public-key cryptography that can be downloaded from any of perhaps fifty thousand BBSes and Internet hosts.

Public-key crypto is the best publicly known system for protecting computer files and email from unwanted snoops. It is believed to be uncrackable—which horrifies government's Big Brothers. It provides an electronic safe and an impenetrable electronic envelope.

Furthermore, it is equally useful for authenticating/verifying the authorship of a document—all via globally published public "keys" chosen by the individuals wanting such protection and authentication (each person keeps a matching private key secret unto themselves).

Phil created PGP as a personal hobby/exercise, based on globally published, public technical papers detailing how it works.

Then, in March of 1991, Phil and thousands of net users suddenly heard that the US Senate was about to pass an omnibus anti-terrorism bill that would prohibit secure communications in the United States, except when access was guaranteed to the government.

With such a blatant threat to freedom of expression, freedom from censorship, and privacy of personal communications looming fast on the horizon, Phil allowed a fellow cryptoid—Kelly Goen—to have a copy of PGP for uploading to as many BBSes and host computers as possible. But only to systems in the US—due to embarrassingly stupid, arrogant crypto export regulations.

It took only hours for foreign networkers to copy it via the Internet—*exactly* as they have done for years with copies of the government-approved DES crypto system, equally prohibited from export even though it exists on essentially all UNIX-based Internet hosts in the US.

Now Phil Zimmermann is being threatened by a San Jose federal grand jury—for exporting PGP, which he *carefully* avoided doing. As usual, the feds are going after the little guy—while carefully avoiding AT&T, UC Berkeley, and SCO, all of which have routinely shipped export-prohibited copies of the DES (Data Encryption System) to tens of thousands of US-based UNIX systems connected to the global Internet.

PGP is free; download a copy—while you still can. And send a dollar—or several thousand of

Start your Christmas Shopping for your favorite Techie at HSC!

...or be your own Santa Claus at our Stocking Stuffer Sale! From Dec. 6 to Dec. 24, lots of popular items in all price ranges will be featured at special holiday prices -- Stop in and see!

Diskette Bins!

Here's something that anyone with a computer never seems to have enough of...diskette storage bins! Take your pick of either the 50-disk capacity 5.25" unit or the 40-disk 3.5" model at this great low price. Also available (not shown), 18-disk capacity stackableblack plastic CD rack.

5.25" Model	HSC# 14499
3.5" Model	HSC# 14500
CD Rack	HSC# 14501

Reg. $3.50, Your Choice

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Nylon wire bundling ties, 1000-pack,
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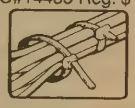

Sale!

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Speaker Wire Special!

High quality fine-strand copper wire, color-coded for easy installation, clear vinyl insulation, various sizes.

HSC#	Size/length	Reg.	Sale
SPW-12/25	12AWG/25ft.	$8.95	$6.95
SPW-14/25	14AWG/25ft.	$6.95	$3.95
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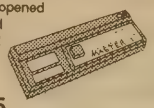
Russian Dosimeter

These pocket-sized (5" x 1.75" x .75") units count gamma radiation exposure from .01 to 9.99 micro-Siewerts per hour (One micro-Siewert = 100 micro-Roentgens). According to the instructions, the maximum admissable safe radiation level is .1 to .6 µSv/h. The instrument uses four commonly available button cells (Russian ones included) that are supposedly good for about 2 years of use four times a day. We opened one of the units up and were interested to find Russian IC's inside!



HSC# 80123
~~$29.95~~ **$19.95**

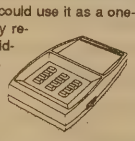
Video Processor!

Enhance your video productions without cleaning out your wallet! Four color controls allow you to adjust "sunlight" (brightness), color saturation (really gives life back to washed-out videos), flesh tones and color tint (useful for videos taped with a camera that did not have color balance set). Two other controls let you adjust image resolution and picture sharpness, while a pair of controls let you suspend the processing so you can see the effect of what your are adjusting. Switchable between two different inputs (video only, not RF). Inputs and outputs are RCA jacks. New in box with manual, 90 day warranty.

HSC# 13978 ~~$49.95~~ **$39.95**

One-trick Phone Friend

This little novelty was meant as an easy-access dialer for one of the off-brand long distance services. You can't change the pre-programmed access codes, but it will remember the last number you dialed with it, so you could use it as a one-number (16-digits) memory re-dialer. Handy for those mid-night overseas calls! Uses three button cells which might need replacing.



HSC# 14438 ~~$4.95~~
$3.95

Computer Parts

Full-size AT-style case with slide cover over the drive fronts, brand new with hardware kit, takes standard AT power supply (not included), room for up to five half-height drives, 16.5" x 6" x 21"

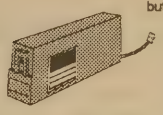
HSC# 14433 ~~$19.95~~ **$9.95**

Standard XT-style power supply (not for case above, only for XT desktop cases), 135W, new, 90 day warranty

HSC# 14046 ~~$17.50~~ **$14.95**

Easy Laser Deal!

Finally, a Helium-Neon (red) laser for those who are shy about handling high voltage, or those who just don't have time to mess around with matching tubes to power supplies... a self-contained tube/power supply unit that runs off low voltage! Just give it 900 mA of 12VDC and you get 1mW of red beam out! Plastic case is 6.25" x 1.25" x 2.25" with 2" power lead. Probably pulls but all are tested good.



Great beam quality!
HSC# 14475
~~$69.95~~
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More Computer Specials!

All items in this box are new and have a one-year warranty.

386DX Motherboard, 40 MHz, ISA Bus, 128K Cache, holds up to 32 MB. Room for 32MB SIMM RAM, small (8.75" x 9.5") footprint. HSC# M*S40M32E Reg. $144.00 **Sale! $129.00**

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VGA Card with 1MB, 1024 x 768 x 256 color resolution, up to 72Hz refresh. HSC# VKVG1MT Reg. $69.00 **Sale! $59.00**

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'em—to the Phil Zimmermann Defense Fund, c/o Philip DuBois, Attorney-at-Law, 2305 Broadway, Boulder, CO 80304. We need to stand and be counted beside those who protect freedom—or we will lose what's left of it.

Comments are welcomed, addressed to me at 345 Swett Road, Woodside, CA 94062 or email to *jwarren@well.sf.ca.us*

John Wolcott

1993 has been a terrific year for the computer user. New products abound. Hardware and software that you couldn't afford have dropped in price to within the grasp of the average user. Previously "unthinkable" innovation is being incorporated into new products that are making computing what it always should have been.

With the arrival of multimedia, the personal computer is now a regular member of the family, offering interactive educational tools; business accounting and secretarial functions; com munication with banks, businesses, bulletin boards, and fax machines; and, of course, game simulations with sound and amazing graphical capabilities that almost seem to "think." As society becomes more computer literate and the computer becomes more user friendly, we are seeing people who had avoided computer usage and understanding like the plague, recognizing a need for computer literacy in everyday business and personal application.

Emerging products this year that have caught my attention are "lightning speed" processors, massive media storage devices, advanced word processing applications, and an array of new pointing devices. As new technology in CPUs evolves, processors that are more than adequate for the average user are very reasonably priced. Media storage devices will now hold staggering amounts of data with speedy access times. CD-ROM drives, hard drives, and Floptical™ drives deliver applications that were, until recently, too enormous to fit on an entire hard drive. Their prices are well within reach of even a first-time system purchaser. Computer "super stores" are cropping up in droves to meet this need.

Desktop publishing applications are falling by the wayside as new word processors grow to meet every publishing need. Page design, graphical images with editing and resizing, font selection, spell checking, thesaurus access, and even grammar correction are standard items with the release of new word processing applications. **Microsoft Word 6.0** has just been released and offers many new features that make it a powerful publishing application. The program almost seems to think for you in terms of presenting a polished finished product. It is quite a "step up" from any word processing application previously available. You'll find that Word 6.0 will enhance your word processing productivity by allowing you to concentrate on content and allowing the program to do your layout work for you.

Not to be outdone, WordPerfect Corporation has dispensed with its cumbersome command environment to release a truly powerful and easy-to-use word processor that is fully integrated with the Windows environment. **WordPerfect 6.0** is an elegant package that will take you from simple letter composition through publication-quality presentations with exceptional results. The new features incorporated with this release will astonish even the most skeptical writer.

Choice of a cursor control device is a matter of personal taste. Pens, track balls, and mice will all do the same job in different ways. I had been a devoted **Logitech mouse** user and still am, to some extent. Using a notebook computer "on the road" required finding a work area to set up the computer and a flat surface for the mouse pad.

I happened upon the **PortaPoint** from VersaPoint Technology, a small rectangular plastic box that has a rubber "pointing button" in the center and two click buttons below. By placing your index finger on the "pointing button," you move the cursor on screen by nudging your finger in the direction you want the cursor to move. The harder you nudge, the faster the cursor moves. Button clicks are easily accomplished with your thumb. As with learning to use a mouse, you'll find that this is initially very awkward to use. After some practice, it becomes second nature and allows you to work with your computer in a limited space, eliminating the need for a flat surface. I am still more productive using a Logitech mouse, and still working on proficiency with the PortaPoint. But the PortaPoint has met a real need for my day-to-day purposes. This is a "must have" for your notebook computer.

Are you one of the many who are watching computer prices drop and waiting for them to "bottom out" before making a purchase? If you're ready for what computer systems and devices offer today, don't wait. Yes, computer prices will continue to drop as new technology emerges. A low price for the latest technology is the holy grail of the computer industry. The only way to make a system purchase or to upgrade what you have is to dive right on in.

Wayne A. Yacco

Hardware:

General Parametrics (510/524-3950) has come up with a very cool use for active-matrix color. And while the **Video Show Presenter** lacks a full keyboard, it is probably going to be even more useful to presenters than a full-blown computer.

This paddle-shaped device lets you direct a presentation in either Harvard Graphics, Lotus Freelance, or Microsoft PowerPoint, and it adds functions that are unavailable to you in any other way. While you watch your presentation in color and simultaneously face your audience, you can also secretly see your author's notes, check thumbnails of the entire presentation, or preview the next slide. The Video Show Presenter is a powerful innovation in both presentation hardware and software, and could turn almost any Clark Kent presenter into Supershowman. It also foreshadows inexpensive hand-held color computer technology.

Hewlett-Packard has just shipped the **Omnibook 425**, and I've had a chance to play with one of the first of these vastly improved machines. This is the machine HP would have designed two years ago if they could have seen the future. A 486 processor gives you a big boost in speed from the 300 model, and the 425 apparently comes with another 2MB of standard memory. At least mine did. That also makes Windows run much faster.

The Omnibook's powerhouse applications—MS Word and Excel—fairly zoom now. Traveling Software's Remote Access (206/483-8088), which debuted with the OmniBook, remains also, but the addition of 2.01 Card and Socket Services gives the unit's two available sockets the power to connect to the world in many more ways. A lack of backlighting remains a weakness for many applications, but the battery life Omnibook gains through this sacrifice gives it legs.

(Speaking of subnotebooks: RA showed up at COMDEX as part of Traveling's Commworks' exciting small machine: the first active-matrix color subnotebook! Can color handhelds be far?)

The number 425 paid off twice this year—BCC (1-800-827-4222) has upgraded the **Avanti 486** to create the **425C**. Its new-generation passive-matrix color display rivals the saturation and brightness of TFT units. Otherwise, it's essentially the same system that I nominated here last year. BCC chose to use a small 8.25" display for much the same reason that other vendors have turned to double-scan technology, but a smaller display has also gained it the advantage that HP obtained by forgoing backlighting.

The Avanti gets far more than two hours of continuous operation running at full turbo speed. The display's not at all hard on the eyes either. The only drawback is that its size also reduces the size

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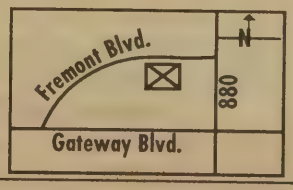

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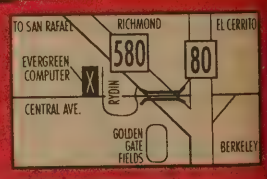

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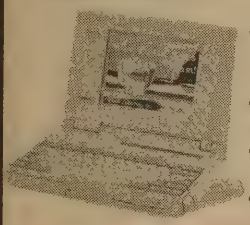

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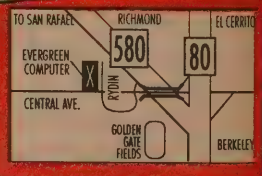

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MicroTimes Writers' Soapbox Awards

of Windows icons and buttons, making it a little difficult to click on them with the built-in trackball (the only other change from the earlier model). Nevertheless, I'm able to use the 425C day-in and day-out without distress, headaches, or fatigue. Avanti's put together a nearly ideal combination of light weight, power, storage, and color, and given it the long life I crave.

The one thing that the Avanti doesn't have yet is a PCMCIA slot, but they're coming soon. And they're coming soon for the desktop too. In fact, I think that PCMCIA sockets will come to predominate on the desktop as well as on portables as the bus of choice for personal computing. It shouldn't take more than two years for it to largely supplant the ISA bus, and given sufficient bandwidth and speed, future versions will displace other technologies as well. Size, green power management, hot swapping, stan dardization, and plug-and-play installation will all contribute to this. The ability of mass merchandisers to sell systems and blister-packed peripherals on razor-thin margins will push it over the edge. PCMCIA Card and Socket Services 2.01 is the year's top technology.

The **Microsoft BallPoint Mouse** is my final hardware pick. It's so much smoother than its predecessor that it's hard to believe they're related. It's ergonomically improved too with better button placement, a more caressable shape, and an adjustable attachment system that lets you shut the lid of a portable while it's attached. I liked the original BallPoint too, and was frankly surprised that Microsoft could make this much improvement to it.

Software:

I was likewise surprised by the advances in the new driver for the BallPoint and MS Mouse. It was already the best driver on the market, and like the new trackball, I didn't think there was much room for improvement. But there are a host of impressive new features. You can now set the cursor to jump to mid-screen on command, turn into a magnifier, wrap around the screen from edge to edge, and jump to the default button of dialog boxes.

Two other software categories have me excited this year. One is interactive multimedia CD-ROM. The new interactive digital multimedia titles from Philips POV and Media Vision—**Voyeur, Quantum Gate**, and **Critical Path**—are all first efforts to produce adult video games. They are more like interactive movies in many ways. For example, the stars of Voyeur are Robert Culp and Grace Zabriski, and live action is used in Critical Path as well. (Media Vision Executive Vice President Min Yee is inspired in the role of a mad general, too.) In addition, both Voyeur and Critical Path were filmed against a blue screen. Sets were created with 3D Studio and added later. Quantum Gate was created by Greg Roach of Hyperbole fame and is especially innovative in its extension of interactivity to the control of characters as well as plot.

Another area of particularly noteworthy innovation is in graphics software. Both **Adobe Photoshop** (415/961-4400) and **Autodesk 3D Studio** (1-800-445-5415) are out in impressive new releases including the Windows version of Photoshop.

HSC (310/392-8441) has added **Live Picture** to a roster which already boasts the brilliant **Kai's Power Tools** (KPT) add-on for Photoshop. (KPT isn't quite out for Windows, but will ship soon.) Live Picture is an image-editing and paint program that lets you scale up and down virtually an infinite number of levels. For example, you could use it to paint the entire Mona Lisa within a single pixel of the lady's eye. Then, you could take a pixel in that image and begin again. And this process could be endlessly repeated until you run out of storage. Amazing.

Equally impressive in its domain is an inexpensive virtual-reality tool from Virtus, **Virtus Walkthrough** (1-800-847-8871). It lets you easily create simple digital environments, and then move in and around them as you like. It's ideal for prototyping architectural spaces and many other applications. And some of Hollywood's top directors are already using it to effortlessly storyboard their films.

Years ago, when I was a columnist and later a bureau chief for *Newsbytes*, I had the opportunity to spend a lot of time online. The slowness and linearity of the interface all but totally dampened my enthusiasm for chatting with the other chiefs and scanning the online wire services. I've always hated working with online bulletin boards for the same reason. Nor were things helped some time later when I used another online service to send copy to an editor who didn't have MCI Mail.

Now, with the arrival of its Windows software, I've had a chance to try **America Online**. I was dumbfounded. It completely changed my attitude toward what I had previously considered only a necessary evil. AOL has devised an interface that powerfully facilitates chatting online. It's fun! And it's the most intelligent and insightful answer to human communication needs I could imagine within the limitations of interactive text. If it offered nothing else, you'd want to get on AOL to meet interesting people. Of course there's email, gateways to other networks, Compton's Online Encyclopedia (unfortunately, with a mediocre search engine), Dow Jones, news, and more. I highly recommend you join the other half million while there's still room.

By the way, I still use MCI Mail too. If you need to connect in a hurry call 1-800-777-4709 for MCI, or 1-800-247-6364 for an AOL software kit. ■

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continued from page 78

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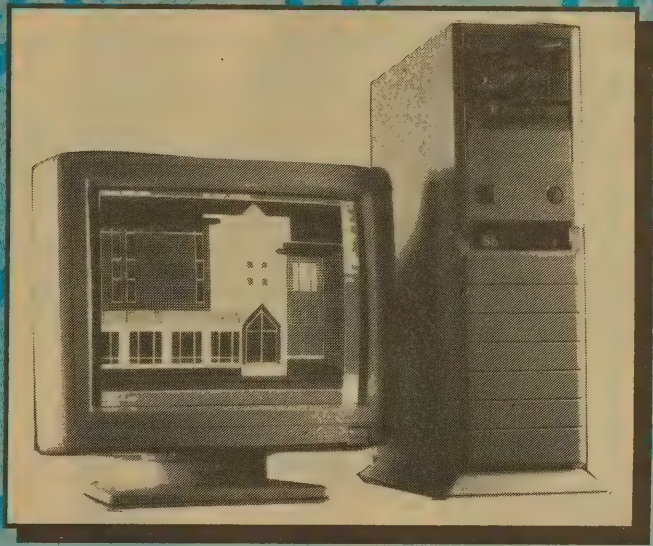

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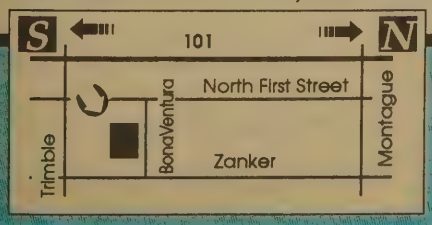

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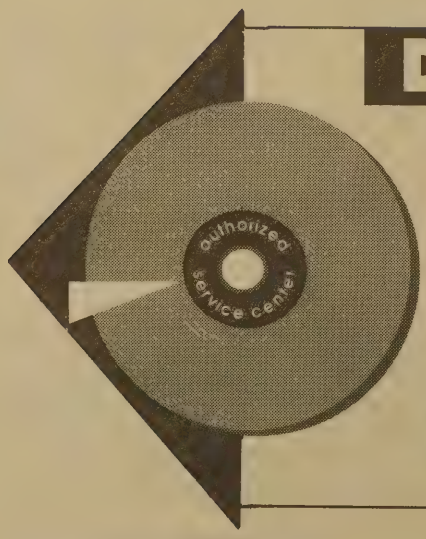

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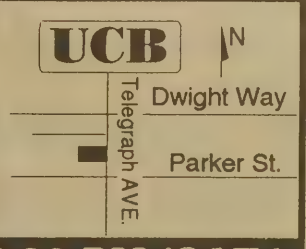

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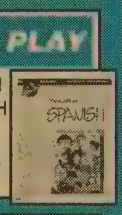

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Store manager: Roger Liao
268 Santa Ana Ct.
Sunnyvale, CA 94086
(408) 735-1234 Fax: (408) 735-1437
Areas of Specialty (and In-House Specialist): hardware; software; high-end PC
Operating Systems Supported: MS-DOS, Windows, Windows NT
Top-Selling Brands in 1993: 486DX2-66, 486DX-33, 486SX-33

Commandline Computers

Store manager: Andy Yen
921 Kifer Rd.
Sunnyvale, CA 94086
(408) 735-7940 Fax: (408) 735-7944
Areas of Specialty (and In-House Specialist): VESA local bus computers; network systems; Ultimate computer protection device
Operating Systems Supported: MS-DOS, Windows, Windows NT, OS/2, NEXT
Top-Selling Brands in 1993: Active Matrix notebooks, high-power PCs, special computer protection
Special Value-Added Services: Immediate support and bring-in service.

Computer Selections

Store manager: John Werry
1202 Apollo Way
Sunnyvale, CA 94086
(408) 746-2288 Fax: (408) 746-2208
Areas of Specialty: Sales networking, LAN graphics, DTP
Operating Systems Supported: MS-DOS, Windows, Windows NT, Macintosh, OS/2
Top-Selling Brands in 1993: Macintosh, Compaq, Hewlett-Packard
Special Value-Added Services: CSBC offers on-site service on most computer systems we sell. We have one of the area's greatest service departments and are very competitively priced.

De Anza Systems, Inc.

Store manager: Tony Chen
1190X Miraloma Way
Sunnyvale, CA 94086
(408) 732-9999 Fax: (408) 732-2735
Areas of Specialty (and In-House Specialist): image processing/multimedia (Tony Chen); PC systems mainframe/upgrade (John Cupon); LAN service, system optimize (Rick St. Thomas)
Operating Systems Supported: MS-DOS, Windows, Windows NT, Macintosh, OS/2, Novell
Top-Selling Brands in 1993: TEAC, Conner, Microsoft
Special Value-Added Services: Systems maintenance, network installation, technical support, on-site service, components and accessories for PC and MAC. Hardware and software consultant.

Fry's Electronics, Inc.

Store manager: Mike Queenan
1177 Kern Ave.
Sunnyvale, CA 94306
(408) 733-1770 Fax: (408) 735-6800
Areas of Specialty (and In-House Specialist): computer dept. manager (Robbie Hanna)
Operating Systems Supported: MS-DOS, Santa Cruz, Macintosh, OS/2
Special Value-Added Services: Custom integration, Novell Gold-authorized sales and configuration, network cabling and connectors, weekly vendor-sponsored educational demonstrations. Over 10,000 electronic items in stock seven days a week.

Golden Valley Systems Inc.

Store manager: George Shu
1030 E. Duane Ave., Ste. J
Sunnyvale, CA 94086
(408) 738-4921 Fax: (408) 738-4924
Operating Systems Supported: MS-DOS, Windows, Windows NT, OS/2
Top-Selling Brands in 1993: Everex, SIGMA Designs, TEAC
Special Value-Added Services: One-year parts and labor limited warranty. Refunds, exchanges only within five days. All returns require RMA # and original invoice, allow ten days to process. 15% restocking charge for returns within fifteen days.

Greenleaf Distribution Inc.

Store manager: James Lee
1150 Karlstad Dr.
Sunnyvale, CA 94089
(408) 734-8888 Fax: (408) 734-3338
Areas of Specialty (and In-House Specialist): computer networking (Perry); multimedia PC (Garry)
Operating Systems Supported: MS-DOS, Windows, Windows NT, OS/2
Special Value-Added Services: One-year parts and labor warranty and thirty-day credit/refund policy.

HD Computers Inc.

Store manager: Paul Hsu
1196 Kern Ave.
Sunnyvale, CA 94086
(408) 720-0493 Fax: (408) 720-1967
Operating Systems Supported: MS-DOS, Windows, Windows NT, SCO, OS/2
Top-Selling Brands in 1993: HD VLB66, HD ISA33, HD EISA/VLB66
Special Value-Added Services: One-year parts lifetime labor. Lifetime toll-free tech support. One-year free on-site service (for 408-415-510 only). Thirty-day money-back guarantee. No restocking fee.

HiQ Computers

Store manager: Pei Tsai
740 N. Mary Ave.
Sunnyvale, CA 94086
(408) 245-5836 Fax: (408) 245-3108
Areas of Specialty (and In-House Specialist): Novell (Pei); Next (Tek); MS Windows NT (Pei)
Operating Systems Supported: MS-DOS, Windows, Windows NT, OS/2
Top-Selling Brands in 1993: HiQ, Conner, Maxtor
Special Value-Added Services: Thirty-day money-back. Lifetime technical support, one-year parts, two-years labor.

HT Electronics

Store manager: Michael J. Ingoglia
275 N. Mathilda Ave.
Sunnyvale, CA 94086
(408) 737-0900 Fax: (408) 245-3109
Areas of Specialty (and In-House Specialist): video toaster and Amiga desktop video (Michael J. Ingoglia); MS/DOS/Mac desktop video (Michele Fontana and Lisa Weingold)
Operating Systems Supported: MS-DOS, Amiga, Windows, Macintosh
Top-Selling Brands in 1993: Newtek Video Toaster, Matrox Studio, Fast Video Machine
Special Value-Added Services: HT specializes

in providing complete solutions for desktop video needs such as consulting, integration, training, and support for PC, Amiga, and Mac products.

Legend Computer Inc.

Store manager: H.C. Lin
470A Lakeside Dr.
Sunnyvale, CA 94086
(408) 720-0818 Fax: (408) 720-0819
Areas of Specialty: Engineer Group
Top-Selling Brands in 1993: Legend computer motherboard and systems
Special Value-Added Services: Two-years labor, one-year parts warranty. High quality, low price.

LTI Technology Inc.

Store manager: Mike Lin
624 East Evelyn Ave., Ste. A
Sunnyvale, CA 94086
(408) 481-9288 Fax: (408) 481-0866
Operating Systems Supported: MS-DOS, Amiga, Windows, Windows NT, UNIX, OS/2
Top-Selling Brands in 1993: Galaxy, UMax, ADT
Special Value-Added Services: Repair, installation, consultation, technical support, one-year parts, three-years labor warranty.

Micromation Technology Inc.

Store manager: Paul Wong/Henry Wang
1080-F E. Duane Ave.
Sunnyvale, CA 94086
(408) 739-2999 Fax: (408) 739-2996
Areas of Specialty (and In-House Specialist): network - Novell or LANtastic (Charles Lee)
Operating Systems Supported: MS-DOS, Windows
Top-Selling Brands in 1993: Philips, Monterey Electronics, Shin-G case
Special Value-Added Services: Medical softwares and hardwares, installation and system integration. Philips 486 notebook computer full services.

NCA Sunnyvale

Store manager: Sami Shahn
1202 Kifer Rd.
Sunnyvale, CA 94086
(408) 739-9010 Fax: (408) 739-2420
Areas of Specialty (and In-House Specialist): PC and Mac peripherals; IBM-compatible systems
Operating Systems Supported: MS-DOS, Windows, Windows NT, UNIX, Macintosh, OS/2
Top-Selling Brands in 1993: Maxtor, Quantum, Conner
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Areas of Specialty: Novell
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Special Value-Added Services: Service, training, support, warranties.

New River

Store manager: Beth McInes
1250 Oakland Pkwy.
Sunnyvale, CA 94086
(408) 738-8291 Fax: (408) 738-8299
Areas of Specialty (and In-House Specialist): dBase (Richard Tse); networks (Richard Tse)
Operating Systems Supported: MS-DOS, Windows, Windows NT, Novell
Top-Selling Brands in 1993: AMI, Micronics
Special Value-Added Services: Custom integration and networking. Government, corporate, and University POs welcome. One-year parts and labor warranty.

PC Warehouse

Store manager: Tim Lo
1082 E. El Camino Real #3
Sunnyvale, CA 94306
(408) 985-1309 Fax: (408) 985-1315
Areas of Specialty (and In-House Specialist): system integration (Tim Lo); desktop publishing (Tim Lo); word processing (Tim Lo)
Operating Systems Supported: MS-DOS, Windows, Windows NT, OS/2
Top-Selling Brands in 1993: Hewlett-Packard, Panasonic, Epson
Special Value-Added Services: One-year hardware and two-years labor in-house warranties. We service and support any hardware and software with training.

Promox Systems

Store manager: James Young
1050 E. Duane Ave., Ste. B
Sunnyvale, CA 94086
(408) 733-2966 Fax: (408) 733-2968
Areas of Specialty (and In-House Specialist): UNIX/X (system installation/maintenance); Novell (system installation/maintenance)
Operating Systems Supported: MS-DOS, Windows NT, UNIX, OS/2
Top-Selling Brands in 1993: UnixWare, SunSoft, SMC
Special Value-Added Services: Promox provides one-year parts, two-years motherboard, three-years labor warranties. On-site service is available.

RC Labs, Inc.

Store manager: Mohamed Aziz
830 W. Evelyn Ave.
Sunnyvale, CA 94086
(408) 732-1986 Fax: (408) 732-1977
Areas of Specialty: Autodesk products, Macintosh, Sun systems
Operating Systems Supported: MS-DOS, Windows, SUN/DEC, Macintosh
Top-Selling Brands in 1993: Microsoft, Autodesk, Hewlett-Packard
Special Value-Added Services: On-site service, technical support, Autodesk support and service.

Schwab Computer Center

Store manager: James Chang
730-C East El Camino Real
Sunnyvale, CA 94087
(408) 245-6666 Fax: (408) 245-3103
Areas of Specialty: system integration, networking
Operating Systems Supported: MS-DOS, Windows, Windows NT, OS/2
Special Value-Added Services: Service, support, warranties.

Top Data, Inc.

Store manager: Simon Chang
574 Weddell Dr., Ste. 5
Sunnyvale, CA 94089
(408) 734-9100 Fax: (408) 734-9343
Areas of Specialty (and In-House Specialist): tech support (Chi Chang); training (Richard Lon); installation (Steve Chen)
Operating Systems Supported: MS-DOS,

continued on page 304

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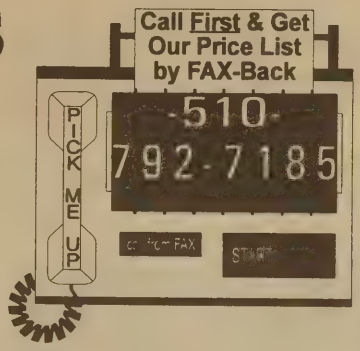

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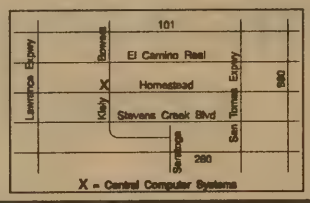

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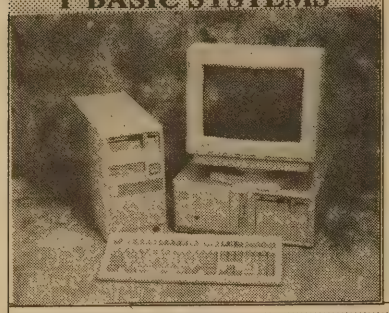
I BASIC SYSTEMS



AIR

4 MB, TEAC 1.2 FD
IDE Controller, 2S 1P
Baby AT Case w. 200W ; Mitsumi 101 Keyboard
MS Serial Mouse ; MS DOS 6.0 & Windows 3.1

486 DX2-66 EISA 256K VLB 1399
486 DX-33 EISA 256K VLB 1219
486 DX2-66 ISA 256K VLB 1219
486 DX-33 ISA 256K VLB 1029

MICRONICS
COMPUTERS INC.

4 MB, TEAC 1.2 FD
IDE Controller, 2S 1P
Baby AT Case w/ 200W
Mitsumi 101 Keyboard
MS Serial Mouse
MS DOS 6.0 & Windows 3.1

486-DX2-66 ISA 256K cache VLB 1315
486-33 ISA 256K cache VLB 1099
486-33 ISA 256K cache MiniBoard 1089
486-50 ISA 256K cahce MiniBoard 1199
486-DX2-66 ISA 256K cache MiniBoard ... 1315

NICE
(MADE IN U.S.A)

4 MB, TEAC 1.2 MB FD
IDE Controller, 2S 1P
Baby AT Case w. 200W
Mitsumi 101 Keyboard
MS DOS 6.0 & WIN 3.1
MS Serial Mouse

486-DX2-66 EISA 256K VLB 1399
486-50 EISA 256K cache VLB 1355
486-33 ISA VLB 256K cache 999
486-DX2-66 Mini EISA 256K cache VLB .. 1249

II HARDWARE

1. CD ROM

CD Caddy / Caddy Holder 5.25/2.50
Jazz Hipster J-511AV Active Speakers 75
Labtec Speakers CS150/ CS180/ CS550. 25/29/32
Labtec Speakers SS700 / CS700 ..... 36/39.50
Koss Maximum DR Amplified Speakers 69
Koss Amplified Mini Speakers w. Equalizer ... 45
Cardinal Digital Sound Pro 16 125
Gravis UltraSound 139
Turtle Beach 16 bit MultiSound ..... (499)515

CREATIVE LAB
CD 531 Ext w. Ext Kit 229
Discovery CD-16 Int 469
Edutainment CD-16 Int Kit (new) 479
Midi Kit 59
Sound Blaster Pro Multimedia Kit w. 6 CD Ext 449
Sound Blaster Pro Basic / Deluxe 99/109
Sound Blaster 16 / SCSI 16 ..... 155/175
Sound Blaster 16 SCSI ASP 205
Video Blaster 315
Video Spigot for Win 345
Voice Blaster / Wave Blaster 75/224

LOGITECH
Soundman 16 (new) 99

MEDIA VISION
Fusion Double CD 16 485
Multimedia Upgrade Kit (w. Spectrum 16) ... 649
Midi Mate / w. Passport Design Trax 49/89
Pro 16 Multimedia System II Int 775
Pro Audio Spectrum 16 / Studio 16 ... 148/189
Pro Movie Spectrum / Studio 285/335

NEC
CDR-74 280ms, 300KB/s, Ext 425
CDR-84 280ms, 300KB/s, Int 359
Interface Kit for PC 79
Multimedia Upgrade Kit Int / Ext 745/795

PANASONIC
562 320ms, 300Kb/s Int / w. controller .. 199/219

TEXEL (w. controller ..... add $45)
DM-3028 280ms, Internal 319
DM-5028 280ms, External 419
Driver kit for Media Vision Int / Ext 19/69

TOSHIBA (w. controller ..... add $45)
3401B 200ms 330KB/s Int 349
3401E 200ms Ext / w. Toshiba Case .. 419/469
Driver kit for Media Vision Int / Ext 19/69

TRANTOR
T130 SCSI Interface Kit (w/o cable) 45

2. CASES

Baby AT w. 200W Power 69
Baby Tower w. 200W Power 69
Mid Tower w. 230W Power 79
Mid Tower w. 250W Power: Black/ White 139/129
Full Tower w. 250W Power 129
Full Tower w. 300W Power: Black/ White 199/189
Slim w. 200W (2 drive bay) 79
Hard Disk Drive External Casing
- 1 half ht or SCSI for Mac, 40W, w. Int cable .. 79
- 2 half ht or 1 full ht for PC , 60W 109
- 2 half ht or 1 full ht for Mac, w. cables 60W . 135
- 3 half ht or 1 full &1 half ht for PC, 60W 129
- 3 half ht or 1 full &1 half ht for Mac, w. cables 155

3. CONTROLLERS

COREL SCSI software 75
IDE w. I/O (2S 1P) for VLB 49
IDE w. I/O (2S 1P) for ISA 19.50

ACCULOGIC
sIDE-4 plus (2FD & 2IDE HD, 2S & 1 P) 45

ADAPTEC
1522K SCSI w. Kit (3MB/s) 159
1542CF SCSI w. Kit (10MB/s) 249
1542C Plus w. ASW 500 299
2742T SCSI EISA w. Kit 395
2842VL SCSI VLB w. Kit 299
ASW-1440 ASPI Netware Manager v3.3 69
ASW-EZ SCSI for DOS & WIN 69
ASW-310 Sy-Tos Plus (tape backup s/w) 99

ALWAY TECHNOLOGY
IN 2000 High Performance 16 bit SCSI 179

AMI
FastDisk cache SCSI EISA (up to 16MB) 399
FastLan Ethernet-SCSI VLB 449

BUSLOGIC
BLI-KT 545S Fast SCSI-2 w. Kit (10Mb/s) ... 219
BLI-KT 747S EISA Fast SCSI-2 w. Kit 389
BLI-BT 445S SCSI VLB w. Kit 275

DTC
2290 IDE EISA 139
3280AS SCSI 105

FUTURE DOMAIN SCSI Controller
TMC 1660 for AT (H only) 119
TMC 1680 for AT (4F& H,15MB/s) 129
TMC 1680 SVP (SCSI value pack) 155

KOUWELL
IDE controller only 27
IDE w. AT I/O (2S 1P 1G) 34
IDE w. NS16550 chips (2S 1P 1G) 59
IDE w. AT I/O (2S 1P) VLB 55
IDE w. AT I/O (2S 1P) w. 16550 chips VLB ... 69

MYLEX
DCE 376 EISA SCSI 550

PROMISE Drive Cache Controller
DC 200 IDE cache up to 16MB 97
DC 2040 SCSI cache up to 16MB 179
- Bios chips & CD driver 39
DC 420 IDE w. 512k cache up to 1MB 109
DC 4030VL IDE VLB cache up to 16MB 129

ULTRASTOR (w/o cable)
ULT 14F ISA SCSI 32K cache 199
ULT 34F VLB SCSI-2 32K cache 275

WONDER SYSTEMS (USA made)
IDE w. 4 Flopples 29
IDE w. 4 FD/ 2.88MB/ w. drivers tape ,
1.0 Mbps FD speed 39
IDE w. 2HD/ 4FD/ 2S 1P/ w. drivers tape ,
5IRQ for com ports, 1.0 Mbps FD speed 45
IDE w. 4FD/ 3S 2P 1G (2S16550 chips) 79
For SCSI HD, w. CD-ROM drivers 59
VL2000 IDE w. AT I/O VLB 49
VL2018 IDE 2HD/4FD/2S/1P/16550/2.88 69

4. CPU

AMD386 DX-40 59

INTEL
386 DX-25 / DX-33 69
486 DX-33 / DX-50 ..... 285/429
486 DX2-50 / DX2-66 ..... 339/475

MATH CO PROCESSOR

CYRIX
83D87 - 33 / 40 ..... 69/69
Cx486 DLC TI 33 / 40 ..... 79/99

INTEL
387DX / 387SX 85/79
OverDrive Processor
- 486 SX16 / SX20 325
- 486 SX25 / DX25 445
- 486 SX33 / DX33 545
Cooling Fan (heat sink) 12

5. DIGITIZERS

SummaSketch III 12x12, 4 or16 button 269
SummaSketch III 12x18, 4 or16 button 549

WACOM
SD-510C 6 x 9, w. Pressure Stylus 459
SD-510C Tablet + Painter 2.0 (special) ... (499)
SD-420E 12 x 12, w. Pressure Stylus 655
SD-421E 12 x 12 Electrostatic w. Stylus 745

6. DRIVES

Frame for 3.5" Hard Drive and Floppy Drive 6
Removable Hard Drive Case for 3.5" HD 39

HARD DRIVES

CONNER
CFA-340A 340MB IDE 255
CP-30544 544MB 12ms IDE 1" ht 499

FUJITSU (5 years warranty by manufacturer)
2624FA 520MB 12ms SCSI-1&2 569
M2694ESA 1.0GB 10ms SCSI-2 3.5" 1/2"ht . 899
M2654S 2.1GB 12ms SCSI-2 5.25" full ... 1499

MAXTOR
MXT 7131A 130MB 15ms IDE 3.5" 175
MXT 7213A 213MB 15ms IDE 3.5" 199
LXT 7345A 345MB 14ms IDE 3.5" 268
MXT 7345S 345MB 15ms SCSI 1" ht 345
MXT 540A 540MB 8.5ms IDE 1" ht 589
MXT 540SL 540MB 8.5ms SCSI-2 1"ht 599
MXT 1240S 1.2GB 8.5ms SCSI-2 3.5" 1195
Optical Drives : Rewritable 1 GB 35ms SCSI, 4MB
Ext Tahiti IIM / 1 GB Cartridge Glass . 2495/195

QUANTUM
LPS-240AT 244MB 16ms IDE 256k cahce .. 229
LPS-240S 244MB 16ms SCSI 256k cache . 245
LPS-270AT 270MB 12ms IDE 128k cache .. 239
LPS-540AT 540MB 12ms IDE 128k cache .. 489
LPS-525S 525MB 10ms SCSI 512k cache . 555
PRO-700S 700MB 10ms SCSI-2 512k 745
PRO-1225S 1.2GB 9ms SCSI 1.2M cache . 969

FLOPPY DRIVES

MICRO SOLUTIONS (External FD)
1.2 / 1.44 (use printer port) 175

SYQUEST (Removable Drive)
88MB 5.25" w. 88MB cartridge Ext for Mac .. 489
105MB 5.25" w. cartridge SCSI Ext for Mac . 489
105MB 3.5" w. cartridge & SCSI cont. Int, PC 399
105MB 3.5" w. cartridge (printer port) Ext, PC 429
105MB 3.5" w. cartridge (IDE host adapter) . 365

TEAC (Floppy Drive)
1.2MB 5.25" / 1.44MB 3.5" w. frame 48/42
2.8MB 3.5" w. frame 85
Dual Floppy 1.2MB & 1.44MB 108

7. I/O CARDS

BOCABoard w. cable 4 / 8 / 16 port .. 99/149/299

KOUWELL
2S 1P 1G w. NS16550 chipset (XT, AT) 49
4 Serial ports card 69
AT I/O (2S 1P) / AT I/O (2S 1P 1G) 27/27
AT I/O (2S 2P) / AT I/O w. IDE (2S 1P 1G) 33/34
Printer card (2P) / Serial card (XT, AT) ... 15/15

QUICKPATH
13 port I/O w. 4-16550UARTs + Extd. IRQs
(2 IDE, 4F, 4S, 2P, 1G) 125
4-serial, 16550UARTs, 8addr, 10 IRQ
(3,4,5,7,9,10,11,12,14,15) 99

STB 4-COM
4 serial, 16 bit, w.16554, support
COM 1-8, IRQ 2,3,4,5,10,11,12,15 109

SIIG
2S 1P w. 16550 chipset 49

WONDER SYSTEMS (USA made)
4S 3P (16 bit, 8IRQ, 16550 FIFO) 135

8. KEYBOARDS

ANCER (Black)
101 key 42

FOCUS
FK2001 101 click 42
FK9000 129 keys Programmable 65

NORTHGATE OMNI
101S / 101NI / 102 ..... 55/69/69
Ultra T or F 95

SIIG (click)
Suntouch 101 / Suntouch Jr. 84-key Mini . 49/45

OTHERS
BTC 84-key Mini 37
KeyCat II 101 w. trackball mouse 69
Keytronic 101 37
New Maxi / Maxi 101 / Maxi Key 124 ... 29/35/69
Mitsumi 101 30
PT505C 101 25

9. MEMORY CARDS

ACCULOGIC
RAMpAT! up to 16MB(SIMM),16 bit, AT 99
SIMM-ply Ram 8/16 bit, 8MB max, XT, AT 99
SIMM-ply Ram 16 bit, 8MB max, PS/2-50,60 119

INTEL
Above Board w. 512K (special) ..... (99)

10. MEMORY CHIPS

DRAM
1 MB x 1 - 80 ns 6.20
64K - 100 ns / 256K - 80ns 1.39
64K x 4 - 80ns / 256K x 4 - 80ns 1.65/5.00

SIMM
16 MB x 9 - 70 ns 779
4 MB x 9 - 60 / 70 ns 145/138.5
1 MB x 9 - 60 / 70 / 80ns (3 chips) .. 39.5/38.75/38
256K x 9 - 70 / 80 ns 14/13
1 MB x 36 - 60 / 70 ns 185/175
4 MB x 36 - 60 / 70 ns 629/609
SIMM Mac : 4 MB x 8 - 70 138

SIPP
1 MB x 9 - 70 ns (3 chips) 43

COMPUTER MEMORY (3rd Party) :
IBM
- PS/2 50Z/ 55SX/ 65SX/ 70
-- 2MB / 4MB 95/159
- PS/2 80 - 111/ 311/ 121/ 321 -- 4MB 225
- PS/2 80 - A21/ A31/ A6 -- 4MB 279
COMPAQ
- Deskpro 386N/ 386SX20
-- 2MB / 4MB / 8MB 109/159/319
- Deskpro 386 - 20e/ 20/ 25e
-- 1MB / 4MB 95/185
- Deskpro 486M -- 2MB /4MB /8MB 109/159/319
- LTE 286 -- 2MB / 4MB card 129/195
- LTE 386S-20 -- 1MB / 4MB card 89/209
- SLT 286 -- 1MB / 4MB 99/259
- ProLinea 386 - 25ZS/ 25S
-- 2MB / 8MB 105/375
- ProLinea 486 - 33/ 50/ 25S
-- 2MB / 4MB / 16MB 95/199/699

KINGSTON MEMORY for
Apple, AST, AT&T, Compaq, IBM, NEC,Sun . call

NOTEBOOK / LAPTOP (3rd Party)
AST EXEC -- 4MB 155
COMPAQ
- Contura -- 2MB / 4MB / 8MB 105/165/295
- LTE-Lite 20/ 25/ 25C
-- 4MB / 8MB 215/349
IBM L40SX/ N33SX
-- 4MB / 8MB 169/319
MAC PowerBook 140/ 170
-- 2MB / 4MB 135/179
NEC UltraLite III SL25C / SX20
-- 4MB / 8MB 239/399
Packard Bell 386SX -- 2MB / 4MB 155/259
Panasonic 170/ 270/ 370 -- 1MB 79
TOSHIBA
- T1600 2MB 139
- T2200SX 4MB / 8MB 179/299
- T3100SX 2MB / 4MB 129/187
- T3200 3MB 209
- T3200SX 2MB / 4MB 129/199
- T5100 -- 2MB 139
- T5200/ T8500
-- 2MB / 8MB 129/369

LASER PRINTER MEMORY UPGRADE
Jet Ram (3rd Party):
EPSON EPL 6000
-- 2MB/ 4MB 114/175
HP
- Deskjet 500/500C -- 256K 75
- Laser Jet II/ IID
-- 1MB / 2MB / 4MB 99/145/235
- Laser Jet III/ IIIP/ IIID
-- 2MB / 3MB / 4MB 125/169/215
- Laser Jet 4 / 4M
-- 4MB / 8MB / 16MB 199/389/699

'ANASONIC
KX-P4410/ 4430
- 1MB / 2MB / 4MB 95/139/229
KX-P4420/ 4450i
- 1MB/ 2MB/ 4MB 99/145/235
KX-P4450 --1MB 139
KX-P4455 --2MB 169
MS
P-S 410 -- 1MB / 2MB / 4MB 99/145/235
P-S 815/ 825 -- 2MB / 4MB 159/249
EXAS INSTRUMENTS
Micro Writer --1MB 69
MicroLaser Turbo XL -- 1MB 69
'ACIFIC DATA:
acific 4 for HP IIP+/ IIIP/ III/ IIID
1MB / 2MB / 4MB 89/135/225
-2-4 Plus for HP II/ IID
1MB / 2MB / 4MB 115/159/249
acific 4 SIMM for HP 4/ IIISi/ XL300
4MB / 8MB 199/389
roTracer -- 5MB / 8MB 375/525

11. MODEMS & FAX

SAP TF-333 Phone & Fax Auto Switching .. 89
ational Semi TylN 2000 Answer/Fax 145
ltech Micro Systems (DOS & WIN)
ata Fax 9624VI, MNP5 99
- Per 96/144, MNP5 199
ocket 96/24 Fax 115
ocket 144/144 Fax 269
Tech
omate Pocket Fax modem (w. Win/DOS s/w)
9696MX 185
1496MX 225
1414MX (Distinguish ring & Called ID) .. 259
'C
.4 Fax Modem Int / Ext 149/169
YES
cura 2400 Int / Ext 49/75
cura 96 + Fax Int / Ext 199/229
cura 14.4 + Fax Int / Ext 215/245
otima 14.4 PCMCIA Fax 325
cket edition 2400 w. Smartcom EZ 129
otima 144 Ext + Fax 144 389
martCom for Windows 47
series SmartModem 9600 v.42, MNP5 Ext 499
TEL
xability Plus/OCR for WIN trade-up 99
w Fax Modem 24/96 Int 55
w Fax Modem 24V/96 v.42bis Int / Ext 119/129
w Fax Modem 96 Int / Ext 155/165
w Fax Modem 14.4 Int / Ext 169/189
MCIA 14.4 Fax Modem 325
tisFaxtion modem (w. FAXability s/w)
00 Int send96 rec.48, 2400 modem 99
00 Int 96/24 v.42, MNP5 245
00 Int 144/144 v.42, v.32bis, MNP5 295
00e Ext 96/14.4, 4K data buffer 335
GAHERTZ
MCIA 14.4 Fax modem / w. X-Jack.. 325/345
MCIA 96/24 Fax modem w. X-Jack 225
144 Pocket 14.4/14.4 325
ACTICAL PERIPHERALS
14.4FX14.4 Int 205
cket 14.4 Fax Modem 369
i Tower 14.4FX14.4 Ext 225
2400 Mini fax modem 89
Me (turn HP Laser to Fax receiving) 129
VA
Modem/E Ethernet BNC/TP 1475
i
eCommunicator 10-In-1 Fax Modem 229
ROBOTICS
rier 16.8 Int / w. Fax 459/499
rier 16.8 Ext / w. Fax 495/545
rier Terbo Fax 19.2 MB w. ASL ... (425)525
rtster 14.4/14.4 FAX MNP5 Int/ Ext .159/179
rtster 14.4/14.4 Fax for Mac Ext 199
TRIX
0 baud modem w. MNP5 Int 39
4 send & rec. fax/modem w. MNP5 Int... 69
4 fax/modem v.42, MNP5 Int 85
M
Int / AFX Ext 55/69
4 w. WinFax Lite Int / Ext 75/79
6 w. WinFax Lite Int / Ext 145/169
144 w. WinFax Lite Int / Ext 175/189
XEL
96B 16.8 voice 14.4 Fax WINs/w Int ... 315
96B+ upgradable to 19.2Kbps Int 425
96E 16.8 voice 14.4 Fax WIN, LED Ext . 319
96E+ upgradable to 19.2Kbps Ext 429

12. MONITORS

itor Saver 45
:
1412 14" Mono amber, 90-260v 95
1417 14" 1024 x 768 VGA Mono paper white 119
1428 14" 1024x768 .28, 90-260v 269
1430K 14" 1024 x 768 .28, NI, 90-260v . 289
1439G 14" 1024 x 768 .39 219
ACHI
2095 20" 1280 x 1024, .31 w/0 cable .. 1325
2187 21" 1600 x 1280, .31 w/o cable .. 2045
vue PS20 20" 1600 x 1280, .28 1695
Accuvue PS21AM 21" 1600 x 1280, .28 .. 2395
MAG (Auto Switch Power Supply)
MX15F MPRII 15" Flat 1280x1024 .28, NI .. 495
MX17F MPRII 17" Flat 1280x1024 .26, NI .. 925
Mac Adapter 25
MITSUBISHI
HL6955SETK 20" 1280x1024 .31, NI 1745
TFS 6705 Diamond Pro 17" 1280x1024 .26 NI,Trinitron, MacII, 100-240v 1045
BNC Cable 39
NANAO (100-240v)
F340iW 15" Full Flat screen,1024x768 .28 .. 545
F550iW 17" 1280 x 1024 .28, NI, Mac 1165
F560iW 17" 1280 x 1024 .26, NI 1379
F550i 17" 1280 x 1024 .28 NI, Mac 955
T560i 17" 1280x1024 .25, NI, MacII 1675
T660i 20" 1280x1024 .31, NI, Trin., MacII . 2395
F750i 21" 1280x1024 .31, NI, MacII 1895
MacII cable adapter 69
NEC (120v)
3FGe 15" 1024x768 .28, Mac 589
3V 15" 1024x768 (new) 549
4FGe 15" Flat 1024x768 .28, NI, Mac 689
5FG 17" 1280 x 1024 NI 1345
5FGe 17" 1024x768 .28 NI (no Accu color) 1075
5FGp 17" 1280x1024 (new) 1445
6FG 21" Flat 1280x1024 .28, Mac 2395
6FGp 21" 1280 x 1024 (new) 2495
NEC Monitor Lens (Anti-reflection, Anti-static)
- for 4FG / 5FG / 6FG (special) .. (65)/(105)/185
FG / MacII cable adapter kit 19.50
SAMSUNG
CSK5577L 15" 1024 x 768 .28 NI 445
SEIKO (90-132v)
CM2050 20" 1024x768 .31, NI, Mac 1395
SIIG
9" VGA Mono paper white 640 x 480 135
Standard Technologies
400-M VGA Paper white 119
SONY
1430S 14" 1024x768 .25, NI, 120v 599
17SEI 17" 1600 x 1280 .25 1295
1730 17" 1024x768 .25, NI 995
2038 20" 1280x1024 .30, NI 2195
VIEWSONIC
4e 14" 1024x768 .28, Int,110/220v 279
5+ 14" 1024x768 .25, NI, MacII 475
6e 14" 1024x768 .28, NI 299
15 15" 1280x1024 .28, NI, Mac II 449
17 17" 1280x1024 .28, NI, Mac II 1035
20 20" 1600x1280 .28, NI, Mac II 1695
21 21" 1600 x 1280 .26 NI, Mac II 1895
Mac cable adapter 35

13. MOTHERBOARDS

386-40 w. 128K cache w. cpu 179
486-33 128K ISA (no cpu) 135
486-DX2-66 256K VLB w. Zip socket (no cpu) 149
AIR (w/o cpu)
486-33 / DX2-66 256K, 3VLB slots 215
486-33 / DX2-66 256K EISA, 3 VLB slots ... 425
AMI
Super Voyager 486-33 256K VLB, 8 slots ... 795
Super Voyager 486 DX2-66 VLB, 8 slots 995
Super Voyager II 486-33 256K VLB, 7 slots . 675
Super Voyager II 486 DX2-66 VLB, 7 slots .. 895
Enterprise III 486-33 256K VLB EISA 875
Enterprise III 486 DX2-66 VLB EISA 1095
Enterprise IV 486-33 256K VLB EISA 799
Enterprise IV 486 DX2-66 256K VLB EISA .. 999
IBM
486SL-C2-33 / 66 16K internal cache ISA v.2 w. CPU & Math Processor 249
LYNX (made in USA, w/o cpu)
486DX - 33 / 50 / DX2-66 256K VLB 149
MICRONICS
386SX-20 Phoenix BIOS (32MB max) 175
386-33 64K cache Gemini (32MB max) 299
486-33 Local Bus w. 256K cache 635
486-DX2-50 VLB w. 64K / 256K 595/695
486-DX2-66 Local Bus w. 256K cache 845
JX30 486-DX2-66 VLB 256K w. Zip socket .. 920
486-33 256K EISA VLB 845
486-50 256K cache EISA E2 1195
486-DX2-66 256K EISA VLB 1045
MiniBoard 486-33 256K cache ISA 625
MiniBoard 486-50 256K cache ISA 735
MiniBoard 486-DX2-66 256K ISA 845
16MB Memory Card 150
NICE (w/o cpu)
486-33 / DX2-66 256K VLB 215
486-50 / DX2-66 256K Mini EISA VLB 265
486-50 / DX2-66 256K EISA VLB 425
QUICK-PATH
486-50 w. 64K cache, 15ns ISA (no cpu) ... 195

14. MOUSE & JOYSTICK

AGILER
AGM-600E Serial 400 dpi 23.50
ATB-610 Serial Trackball 24.50
Keen 12.50
ANCER (black)
3-button 25
APPOINT (portable)
MousePen Pro 49
Thumbelina 49
KENSINGTON
Bus 4.0 119
Expert serial & trackball 4.0 99
LOGITECH (call for rebate info.)
Cordless II (new) 85
Dexxa Serial / First Serial 27/37
Fotoman Plus Camera for PC & PS/2 539
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Omni (2 button) MS compatible 25
PC Mouse (3-button optical) 59
PC Trackball II 55
Page Brush - color scanner (special) .. (199)399
Serial Bus Card (9 IRQs) 24
The New Mouse 400CPI (3 button) 45
JOYSTICK :
Gravis Game pad 26
Warrior 5, Quick shot 14.50
Adapter kit 16.50
THRUSTMASTER
ACM Gamecard 29
Flight Control System 75
Fight Control System Pro 125
Flight Stand - Holder 19
Rudder Control 125
Weapons Control MK II (special) ..... (119)139

15. NETWORK

MAILMAN 2.0 (10-user for Novell NetWare). (99)
3COM
3C503 8 bit coax / TP ethernet 179/199
3C503-16 Etherlink II 16 bit coax / TP .. 169/179
3C507 16 bit Ethernet coax / TP 289/299
3C509 Etherlink III coax / 5 pack 119/535
3C509 Etherlink III TP / 5 pack 115/525
3C509 Combo / 5 pack 155/595
3C579 Etherlink III EISA coax / TP ... 245/249
3C529 Etherlink III for MCA / TP 245/249
3C621 Link Builder 10 BT (12 port) 699
3C16270 Link Builder TP (12 port Hub) 395
TokenLink III 16/4 ISA/ MCA/ EISA 465/495/645
3C551 Link Watch SNMP/NLM software ... 259
ADDTRON (Novell compatible)
AE-200LC 8 or 16 bit BNC & TP 69
AE-200LT 8 or 16 bit TP only 62
ET-200STS NE2000 coax compatible 65
AE-200STA NE2000 3 in 1 Combo 75
Starter Kit for Novell Lite 1.1 / for Win... 245/265
Starter Kit for Lantastic AI DOS / WIN . 275/315
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Transceivers : ET10CB (BNC<-->AUI) 49
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HUB : UTP16 (16TP + 1BNC + 1AUI) 485
Pocket Adapter : BNC / TP 135/139
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Arcnet :
- Arc120TP 8bit Combo 59
- Arc220TP 16bit Combo 69
- 8 port active Hub coax / TP 135/145
Token Ring - 16/4 ISA / MCA 379/399
Token Ring - Mau 1 / Mau 3 ..... 295/295
ALLIED TELESIS (CentreCOM)
AT-1500T TP / AT-1700T 79
AT-1500BT / AT-1700BT (TP+BNC) 99
Transceiver MX10 / 210T 47
ARTISOFT (Lantastic)
AE-2 Ethernet starter Kit v5.0 449
AE-2 Ethernet starter Kit v5.0 WIN 509
AE-2 Ethernet adapter 195
AE-3 Ethernet adapter / NR2000A 225
2Mbps starter kit DOS / WIN 355/415
2Mbps 1-user kit / for MCA 139/215
AE-2/T 16bit 10Base-T adapter 199
64K RAM upgrade for AE-2, AE-3 adapter... 45
AI software v5.0 DOS / 6 pk / 12 pk . 85/395/720
AI software v5.0 WIN / 6 pk / 12 pk . 99/535/975
AI Starter Kit NR-SI 2000C DOS / WIN . 339/379
Articom - LAN modem sharing s/w 279
Central Station Connectivity Processor 5.0 . 399
Ethernet s/w kit 5.0 w. cable DOS / WIN . 79/139
Lantastic Z (2 stations) v5.0 89
Lantastic for Netware (Network O/S)/ v5.0 99/275
Lantastic for Mac s/w Kit 339
T - Runner 8 Port Hub / 12 Port Hub ... 320/520
Lantastic for TCP/IP single / 5-user 185/760
Lantastic Print Server Station Ware 69
Netware Print Server Station Ware 69
Network Eye - Remote Control Access 155
NR 2000C (BNC only) / Starter Kit Win . 172/469
NR 2000T (RJ 45 only) / 6 pk 175/999
NR-SI 2000C / 2000T (special) ..... (99)
NR-SI 2000A Combo / 2000M 119/165
Peer-Hub 10Base-T concentrator 270
Remote Boot ROM for AE-2, AE-3, NR2000 . 45
Sounding Board adapter Kit 69
StationWare (Dial Up Connection) 69
ASANTE
Network products ..... call
CASTELLE
JetPress (Network Print Server)
for HP II,IID,III,IIID, coax / TP 429
LANPress (Print Server) connects up to 4 printers
- Ethernet Thick/Thin coax (1P 3S) 475
- Ethernet Thick/Thin coax (2P 2S) 625
- Ethernet 10BaseT (1P 3S) / (2S 2P)... 475/635
CC:MAIL
cc:Mail DOS platform v4.0 199
cc:Mail WIN platform v2.0 335
cc:Mail 10-user / 25-user pack 239/579
cc:Mail Gateway v3.21 859
cc:Mail FAX v1.2 1350
cc:Mail Remote 199
cc:Mail Router 4.0 875
COMPULAN
Arcnet
- 4-port Arcnet Passive Hub 19
- 8-port Coax Stackable Active Hub 149
Ethernet
- 8 bit E100 coax / ET500TP 55
- 16 bit E200 coax / ET600TP 65
- Boot Prom (for E100/ E200/ E500/ E600) .. 19
D-LINK
DE-205 TP : 4 Port Hub + 16 bit card 295
DE-220 TP 8 or 16 bit (special) ..... (99)
DE-600 Coax Pocket Adapter (special) ... (199)
DE-650 PCMCIA Coax / TP 195/199
FARALLON
PN381 PhoneNet w.Timbuktu for WIN 259
GATEWAY COMMUNICATION
G/Ethernet 16 coax / 32 bit (special) 59/199
IBM
PCMCIA for Token Ring 16/4 579
PCMCIA 10B2 / 10BT 295/295
INTEL
EtherExpress Flash LAN Adapter combo .. (135)
EtherExpress 16 coax / 5 pk ..... (115)/495
EtherExpress 16 TP / 5 pk ..... (117)/499
EtherExpress 16 MCA / 16 MCA TP 175/185
EtherExpress 32 EISA 439
12 port Hub EtherExpress ISA / EISA .. 565/645
LAN Protect 1.5 (virus protection) 685
LAN Sight 3.0 Netware Utility / Monitor 299
LANSpool s/w 386 NLM v3.5A 425
Netport II Thin & Thick / 10BT 395/399
Netport Express XL 465
NetSatisfaxtion V.2 (s/w for NOVELL) 955
TokenExpress 16/4 ISA/ EISA/ MCA 435/655/475
LANPRO
ER5390 HUB : (8TP + 1BNC) 189
NOVELL (Eagle)
EP2000 Coax / TP (new) 99/89
NE2000 plus coax ethernet / 5 pk 119/525
NE2000-TP plus TP ethernet / 5 pk 105/475
NE2000 Netware Lite starter kit / Win ... 355/375
NE2000 Plus Combo / 5 pk 135/550
NE3200 Eagle EISA w. TPA 545
NE3210 EISA 32bit Combo (ws) 215
Microdyne NE2000 5 pk 499
NTR 2000 Token Ring 435
EPROM for NE2000 35
Print Server NPE400 350
Netware Lite 1.1 + DR DOS 6.0 65
Netware Lite w. Win Utilities 75
Netware 3.12
- 5 / 10 / 25-user 665/1495/2195
- 50 / 100 / 250-user 2995/4195/7495
Netware 4.01
- 5 / 10 / 25-user 825/1825/2625
- 50 / 100 / 250-user 3595/5495/9695
SMC (Western Digital)
8003 Plus Elite 8 bit coax 115
8013 Plus Elite 16 coax / 6 pk 125/625
8013 Plus Elite 16 TP / 6 pk 127/629
8013 Elite 16 combo / 6 pk 149/775
8013 Plus/A for MCA / TP 195/199
8033 Elite 32 bit coax / TP 595/599
Elite Ultra 16 coax / TP / combo ... 110/112/129
Netware Boot ROM for ethernet 34
8 Port Concentrator (8TP+1AUI) 349
12 Port Concentrator(12TP+2AUI+1BNC) .. 595
Token Ring 16/4 ISA / MCA 379
Token Elite Passive MAU 8 / MAU 16 .. 445/599
WD-8003 EP 8 bit Plus Elite 49
SYNOPTICS
Network products ..... call
XIRCOM
PCMCIA CE-10B2 BNC / CE-10BT 275/279
PCMCIA CE-10BC Combo 315
PE3-10B2 coax pocket adapter 285
PE3-10BT TP pocket adapter 289
PE3-10BC Combo pocket adapter 325
CABLES & ACCESSORIES
Twisted pair cable, TP 4-pair, PVC, Level 3
- 1000' / 500' / 200' 89/55/35
10 BASE-T cable, 1000' Level 3 plenum 165
RG58 cable, 500' / 1000' 65/109
Belden 8259, RG58 1000' 165

17. POWER SUPPLIES

AMERICAN POWER CONVERSION (UPS)
APC-400 Smart-UPS (286, 386 WS) 289

APC-600 Smart-UPS (386, 486 FS) 359
APC-900 Smart-UPS (386, 486, FS & WS) .. 569
APC-1250 Smart-UPS (multiple FS & WS) .. 725
APC-400 Back-UPS 286, ps/2, 386 179
APC-450 Back-UPS 286, ps/2, 386 215
APC-600 Back-UPS 286, 386 FS 285
APC-900 Back-UPS 395
APC PowerChute Plus :
- for Novell 69
- for OS/2, Lan Server, 3 Com 75
- for UNIX / XENIX 99
Power Doctor (DOS) I/F Kit for Smart-UPS ... 79

GENERAL
250W for Baby AT/ Baby or Mid Tower 45
250W for AT / for Full Tower 47/49
300W for Full Tower 69
550W for UPS 279
1200W for UPS 659

PC POWER COOLING
Standard 220 for desktop / full tower 85
Silencer 270
- for slim (baby or mid tower) 149
- for AT desktop / full tower 165/165
Turbo-Cool 300
- for slim (baby or mid tower) 149
- for desktop / full tower 175/175
Turbo-Cool 450 for desktop / full tower 325

TRIPP LITE
BC 500 Lan (UPS, 350W) 215
BC 900 Lan (UPS, 650W) 365
Iso - Bar ..... call
Omni 450 Lan (UPS 325W + Line Regulation) 275
Omni 600 Lan (UPS 425W + Line Regulation) 339
Omni 900 Lan (UPS 650W + Line Regulation) 499
UPS Monitoring Board for NetWare 59

18. PRINTERS

BROTHER
HJ-400 Desktop Ink Jet for PC or Mac 295
HL-6T Laser 6ppm (2 yr. warranty) 575

CANON
BJ-200 InkJet 319
BJ-300 desktop 349

CITIZEN
GSX 145 (24 pin, 132 column) 355
- Color Option for GSX 145 / for GSX 130 .. 65/45
GSX 230 Fonts & quiet (rebate $40) 229
GSX 240 Scalable Fonts & quiet (rebate $40) 285
PN48 notebook, 1ppm, 2lb, battery, case ... 299

HP (HEWLETT PACKARD LaserJet w. toner)
Desk Jet 500 / 500C / 550C 295/395/585
Desk Jet 1200C / Postcript 1375/1975
Jet Direct 10BT 429
Laser Jet 4 / 4M / 4L / 4ML . 1349/1865/669/999
Laser Jet 4P w. 2MB / 4MP (new) 975/1375
Laser Jet 4Si / 4SiMX 2995/4295
Paint Jet / Paint Jet XL300 ..... 695/2295

LASER MASTER
Utility XL1200 / XLT / XLO 4795/6495/7995
Win Printer 800 (Postscript) 1075
Win Printer XL600 11x17, 600x660PPI 2350
WinJet 1200 Postscript for HP 4 (special) .. (650)

MICROTEK
TrueLaser MTP-306 6ppm, 2MB, 35 fonts . 1195

PACIFIC DATA PRODUCTS
ProTracer Inkjet, A to C size output, 360dpi, i960RISC processor, 512K, 45dBA 1075
- Postscript emulation card 375
- HP-GL emulation Card 315
- Sheet Feeder I / II 135/115
- Ink Cartridges 19.50
Pro Tracer HP GL Bundle w. 5MB 1695

PANASONIC
1124i / 1624 ..... 259/379
- Auto Sheet Feeder for 1124 KX-P36 120
2023 24pin, quiet printer 199
2123 24 pin, 43.5dBA, color capability 239
2124 24 pin, 43.5dBA, color capability 319
2624 24 pin, quiet printer, 46.5 dBA 399
2180 9 pin, 45 dBA, color capability 169
1150 9 pin, 55 dBA, ... 139
Color upgrade Kit KX-PCK11 55
Single bin cut sheet feeder KX-PT10 95
32K Buffer dot matrix printers KX-P43 65
Serial interface card PS-13 75
4410 Laser, 512K, 5ppm 559
- Corona KX-PCR3 49
- Developer KX-PDP4 / KX-PDP5 ..... 110/125
- Drum KX-PDM4 / KX-PDM5 ..... 99/109
- Extra cassette KX-PKC2 45
- Fuser unit KX-PFS5 105
- Optional second cassette KX-P495 135
- Toner KX-P453 42
- Fonts Card KX-P47x (for Lasers) 95
4430 Laser, 1 MB, 5ppm 675
- Accessories same as 4410
4420 Accessories
- Developer KX-PDP2 95
- Drum KX-PDM2 99
- Envelope Tray KX-P431 59
- Legal Tray KX-P425 45
- Ozone Filter KX-PFT2 29
- Toner KX-P451 42
4450i Laser 11ppm 975
4450 Accessories same as 4450i
- Developer KX-PDP1 95
- Drum KX-PDM1 145
- Envelope Tray KX-P430 59
- Legal Tray KX-P420 45
- Ozone Filter KX-PFT1 32
- Toner KX-P450 42
4455 Postscript, 11ppm 1695
- others same as 4450i

QMS (Adobe Postscript)
QMS-PS 410 4ppm, 2MB, 45 Fonts 1095
- Envelope / Legal / Letter Tray 69/69/69
- Lower Cassette w. Letter Tray 149
- Toner 95

OKIDATA
Printers and Accessories ..... call

SEIKO
Smart Label Printer Pro 245
Box of Label (2 rolls per box) 10.95

TEXAS INSTRUMENTS
Micro Writer PS17 / PS35 5ppm 935/1195
XLPS 17 16ppm 1895
- Apple Talk Kit 99

Laser Printer Accessories:

COMPUTER PERIPHERAL
Jet Page for HP II (special) ..... (125)

HP
Optinal 500 sheet Legal Letter A4 (Jet 4) ... 279
Envelope Power Feeder 75 sheet (Jet 4) ... 279
Legal, Letter or A4 250 sheet Tray (Jet 4) 99
Legal, Letter or A4 500 sheet Tray (Jet 4) ... 109
Lower Cassette w. letter tray for IIP, IIIP 149
Toner for Jet II, III 79
Toner for Jet IIP, IIP+, IIIP 66
Toner for HP4 / 4L 109/69
Postcript for Jet 4 359

IQ ENGINEERING
True Type Master Library 19
Super Cartridge 2 & 2LS for HPII & III .... (199)
Super Cart. 3 Pro+ for HP III, IIID, IIIP, IIISi . 199
Desk Jet 500 / Desk Jet Plus Professional ... 99

PACIFIC DATA
25 in One! (for Deskjet 500) 99
25 in One! III
- for HP II, IID, IIP, IIP+, III, Microtek 245
Complete Font Library for HP III, IIID, IIIP ... 255
Font Bank for all HP Laserjet (New)
stores soft fonts, 0.75MB / 1.5MB 205/269
Headlines Cartridge for HP II, IID, IIP 185
Paicfic Connect XI
- For HP II, IID, III, IIID :
-- 5 port 256K / 1MB (4S, 1P) 319/389
-- 10 port 256K / 1MB (10S) 449/519
- For HP 4, IIISi, Paint Jet XL300 :
-- 7 port 1MB / 4MB (6S, 1P) 449/649
-- 10 port 1MB / 4MB (10S) 519/719
Pacific Page & 2MB (Postscript for HP II) .. 389
Pacific Page II / XL w. 4MB (Postcript for HP II) 719
Pacific Page 4 (Postcript for HP 4) 269
Pacific Page P.E.(HP IID,IIP,IIP+,III,IIID,IIIP) 279
Pacific Page P.E. & 2MB 405
Pacific Talk 179
Pacific Page PE XL (HP IIP, IIP+, III, IIID, IIIP)
Pacific DirectNet (for Novell) 369
Pacific DirectNet (for Novell & UNIX) 499
Postscript w. 4MB & accelerator board 719
Plotter in a Cartridge (HP II) 225
Plotter in a Cartridge P.E.
- for HP IID, IIP, IIP+, III, IIID, IIIP 225

PELICAN All type ribbons ..... visit us

19. SCANNER

E-TECH (Hand Scanner)
4256G 256 gray scale (w.OCR) ..... 99(115)
4200C 256/4096 color (w.OCR) ..... 269(289)

HP
ScanJet IIP w. Kit 749
ScanJet IICX Color w. Kit 995

LOGITECH (Hand Scanner) .. see section #14

MICROTEK
Scan Maker II w. PhotoShop LE 899
Scan Maker IIXE w. PhotoShop 1150

TAMARACK
ArtiScan Flatbed 24bit color 256 gray levels
- w. Publisher L.E. 600/800/1200 dpi 845/1045/1695
- w. Pub.L.E. &OCR 600/800/1200 dpi895/1095/1745
- w. Photostyler 600/800/1200 dpi. 995/1195/1845
- w. PhotoShop 2.5 600/800/1200 1045/1245/1895
Slide Scan Kit (transparency, slide, X-ray)
- 600/ 800/ 1200 dpi 525/525/595

Z-NIX (Hand Scanner)
Zscan 400 dpi + iPhoto (color / gray) ..... (99)
- Bundle w. Corel Draw 3.0 199
- Bundle w. PageMaker 5.0 559
Z-Nix Cordless Super Mouse ..... (59)

20. TAPE BACKUP

ARCHIVE
Viper 2150S int 335

COLORADO
Backup for Windows 39
DJ-10 120MB QIC-40 w. cable / w. Win ... 99/129
DJ-20 250MB QIC-80 oem / reg. 149/165
- AB-11 Ext tape port 39
- Cable (2 Floppies & tape back up) 7
- FC-10 Controller 85
- KE-09 Ext Kit w/o controller 75
- TC-15 controller w. data compression 179
- Unix/ Xenix driver for DJ-10, 20 99

PowerTape PT-25 2GB 300KB/s Int 965
PowerTape PTE-25 Ext 1095
PowerTape PT-50 4GB 300KB/s Int 1525
PowerTape PTE-50 Ext 1655
Trakker 250MB Ext (printer port) 329
Trakker 120MB Ext (printer port) 299

CONNER
Tape Stor 250MB w. 3M Cartridge 145

EXABYTE
Tape Drives ..... call

SUMMIT
SE250 250MB
w. Backup software & free Cartridge offer ... 159

21. VGA CARDS

INTEL Smart Video Recorder 525
Paradise Window Accel 31X 1MB 159
Standard 24 VLB 1MB 105
Video Plus (video image grabber) 215
V-Mate Pro (flicker free ext. video encoder) . 199
WinVision (video capture) 165
(All cards 1024x768 except as stated)
CGA / MGP card (Monographic w. Printer) .. 29
ET4000 Tseng Lab 1MB ISA / VLB 79/109
Oak087 Super VGA 512K 52
Oak087 Super VGA 1MB Accelerator 65

AMI
FastView EISA VGA Graphics 1MB 175
FastView P9000 VLB 2MB 395

ATI
VGA Stereo F/X 512k (PC Sound & VGA)
w.speakers (special) ..... (89)
Wonder XL 24 1MB, Hi-color, w. mouse 145
Graphics Ultra Plus 2 DRAM ISA / VLB . 239/299
Graphics Ultra Plus 2 DRAM w. mouse 269
Graphics Ultra Pro 2MB 345
Graphics Ultra Pro 2MB VRAM VLB 395
Graphics Ultra Pro 2MB EISA 425

DIAMOND
Stealth 1MB VRAM w. Sierra Hi-color 189
Stealth 24 1MB DRAM 16 million color 165
Stealth 24 1MB DRAM VLB 169
Stealth Pro VRAM 1MB / VLB 255/265
Stealth Pro VRAM 2MB / VLB 349/359
Viper VLB P9000 VRAM 2MB 395

MEDIA VISION
ProGraphic 1280 (new) 685

METHEUS
Premier 928 w. 4MB VRAM ISA 765
Premier 928VL4 w. 2MB VRAM VLB 599
- 1MB Memory upgrade VRAM 129

MYLEX
GLE911 1MB, 1280x1024, EISA 399
GXE020B 4MB DRAM 1280x1024,
2MB VRAM, TMS34020, Tiga/EISA 1039

NUMBER NINE (TI34020)
#9 GXe 1280 x 1024, 90Hz, S3-928 chip
- Level 10 VRAM ISA 1MB 259
- Level 11 VRAM 2MB ISA / VLB 355/359
- Level 12 VRAM 3MB ISA / VLB 435/439
- Level 14 VRAM 4MB ISA 659
GXI TC-Level 29, 24 bit 1280x1024-265K color
at 72Hz,4MB VRAM, 1MB DRAM 1395

ORCHID
Celcius VLB 1MB 215
Fahrenheit VA/ VLB, w.voice annotation,24 bit 175
Fahrenheit 1280+ VLB 1MB 24bit 159
Fahrenheit 1280+ DRAM 1MB 155

SPIDER 32 VLB
Windows Accelerator w. 1MB VLB 109

VIRTEX
SVGA 1MB VLB + IDE w. AT I/O 155
Chip away virus 45

III SOFTWARE

1. CD SOFTWARE

GROUP A
Each *$14.95*
Adventure in Heaven
American Business PhoneBook 93
Beauty and The Beast MPC
Business Master (Shareware)
Cook Heaven
Education Master (Shareware)
Gameware Collection
Giga Games (3000 files)
House of Games King Quest V
Jones in the Fast Lane
Learning Heaven
Mixed-up Mother Goose
Multimedia Computer Tutor
Peter and the Wolf MPC
Pheonix Shareware
Resource Audio I (shareware)
Resource Graphics I (shareware)
Sleeping Beauty MPC
Space Quest IV - Roger Wilgo (oem)
Sound Library So Much Shareware II
Straight from Heaven Stellar 7
Super Game I + II for WIN
Tempra Access Photo CD (DOS, color)
The Adventure of Willy Beamish
Up All Night (shareware)
Windows Master Window Platinum

GROUP B
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Audubon's Birds Audubon's Mammal
Battle Chess DOS
CD Fun House (oem) CD Story Time
CD Game Pack II (10 games)
Chess Master 3000 MPC
Crossword Cracker
Dangerous Hot Stuff I (collection of graphics)
Desert Storm MPC
Discis : Kids Can Read (DOS, WIN, MAC)
- Cinderella
- Heather Hit her First Home Run
- Long Hot Day at the Ranch
- Moving Gives Me Stomach Ache
- Mud Paddle
- Paper Bag Princess
- Tale of Benjamin Bunny - Tale of Peter Rabit
- The Scary Poems for Rotten Kids
- Thomas Swimsuit
Family Choice Family Education Collection
Great Cities I / II Language/OS
Laser Printer Companion LOOM
Mayo Clinic Family Health Book - MPC / Mac
Media Music Shop
Multimedia Music Training
PC Karaoke 4.0 (w/o microphone)
PC Medic (Diagnostic) PC SIG Library v.12
Publish It 2.0 DOS Publisher's Power House
QuickToons - MAC / PC
Reference Library
Sci-Fi Fantasy Sherlock Holmes I
Secret Weapons of the Luftwaffe
Sports Best So Much Shareware III
Software Vault Gold
The Animals MPC / DOS
The Family Doctor The Women of Venus
Time Table of History - Science
Who Kill Sam Rupert
Wing Commander w. Ultima 6

GROUP C
Each *$24.9*
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Battle Chess MPC Bible Library (oem)
CD CADD 3.7
CD Fun House (350 games) - DOS, WIN, MAC
Composer Quest MPC
Corel Artshow 3 (Book + CD) MPC
Dangerous Hot Stuff II (collection of graphics)
Dinosaur Adventure
Dinosaur - The Multimedia Encyclopedia
ECO-Quest : The Search for Cetus
Encyclopedia of ClipArt (Power Pack)
Fantazia Fonts & Sound
Hound of Baskervilles
Guiness Disc of Records 93 MPC
Jets and Props (Media clips)
Laura Bow 2 - The Dagger of Amonra
Mammals (National Geographic)
Mario is Missing + World Atlas
Mavis BeaconTeaches Typing MPC
MacMillan Dictionary for Children (K-12 grade)
Monkey Island Monster Media 93
National Parks Night Owl 9 (Shareware)
Playing w. Language (oem) Publisher's Paradise
Resource Multimedia
Space Adventure Space Shuttle
Talking Class Tales Talking Jungle Safari
The Best of 20th Century
US Atlas w. Auto Map US History
Where in the World is Carmen Sandiego

GROUP D
From *$29.9*
A Line in the Sand 34.9
Adventures (1000 tours) 34.9
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Beyond the Walls of Stars 29.9
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Coales Art : Impressionism 34.9
Dictionary of Living World MPC 29.9
Electronic Home Library 29.9
Electronic Library of Art (Western Arts) 29.9
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Essential Home & Business Collection 29.9
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Macromedia ACTION! WIN 29.9
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Microprose Gamepack of 4 ..... 29.9
Nautilus Mini Subscription 29.9
Night Owl v.10 ..... 29.9
Plant Doctor 29.9
Pixel Garden 29.9
Playing w. Lang. - Jap/Ger/Fren/Eng/Span . 29.9
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Stories of Murder, Mystery, Magic & Terror . 29.9
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Timetable of Business & Politics 29.9

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CIA Fact Book & Shareware 9.95
CICA MS Windows 12.95
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Bible & Religion - Clip Art Goliath
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Dictionary & Language - Encyc. of Sound
Gardening - Our Solar System
Shareware Overload - Technotools
The Complete Book Shop - World Traveler
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Dr Games / Dr Music (research) 12.95
Dr Shareware / Dr Windows 12.95
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Kodak Photo CD Access v1.0 for Win (oem) 12.95
Learning Adventure 12.95
MPC Wizard (test & tune-up for Win) 12.95
Tom Man : (w 3-D hologram) ..... 9.95 each
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Let's Play - Mirror-Mirror
Oldies but Goodies - Variety Store
Photo + Time Bandit + Airball 12.95
Selectware 9.95
Super Font 12.95
Super Game I / II 9.95

BUNDLE

PACK # 1 135
Compton's Interactive Encyclopedia for WIN
3D Game Pack II or any Game in group A & B
Guinness disk of Record MPC
Time Table of History - Science
Wing Commander w. Ultima 6
PACK # 2 (DOS) 85
Atlas Pack (US & World)
Compton's Family Choice
Reference Library
Secret Weapons of the Luftwaffe
Software Toolworks Encyclopedia 5.0
PACK # 3 99
Compton's Multimedia Encyclopedia for WIN
Mayo Clinic - Space Quest IV
Stellar 7 - Wizard MPC
PACK # 4 (Windows) 95
3D Deluxe Pack MPC ... $45
Chess Master 3000 + Mavis Teaches Typing +
US Atlas 3.0 + World Atlas 3.2)
Grolier's New Multimedia Encyclopedia
Wild Animals - MPC
PACK # 5 85
Animals - Microsoft Bookshelf 93'
Selectware - Sleeping Beauty
Space Quest IV - Sound Library

THERS

Guest DOS (special) ..... (45)55
Amazing Universe PC & MAC 49
American Alive 95
American Journal 1896-1945 49
American in Space (2CD) 59
Cabel's Dream - Egypt 59
Chur's Teacher Trouble w. box WIN 45
Chess Multimedia - Enhanced 49
Rock Road Racer (motorcar included) 49
California Travel MPC 39
Source Book of American History 75
Compton's Family Encyclopedia 39
Compton's Interactive Encyc. WIN oem/reg. 65/245
Upgrade 99
Compton's Multimedia Encyc. WIN oem 55
Countries of the World 79
Day of the Tentacle - Maniac Mansion 49
Desktop Publisher's Dream Disk 45
Distant Sun for Win / w. Space Vision 59/79
Famous Faces / Famous Places MPC ... 45/45
Express Partner - MPC 45
Global Explorer (DeLORME) MPC 99
Goldlocks and the 3 Bears (Eng/Fren/Span) . 35
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Great Literature (1896 books) DOS & MAC .. 49
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Great Wonders of the World DOS 39
Heart the Engine of Life (human body) 69
History of the World 59
Hong Kong / New York at its Best 25/25
Humans 35
Impact! for Win (by 3G Graphics) 69
Indiana Jones - The Fate of Atlantis 45
JFK Z of Multimedia History MPC 49
Grandma and Me WIN 39
King's Quest VI / Upgrade 49/29
Kodak Photo CD Access DOS / WIN 35
Learn to Speak Spanish / Eng. / French 65
Lost Dog McCree 45
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Gallery Multimedia 55
Dinomania 94' MPC 55
Dinosaur 55
Encarta 94' MPC ..... *(95)
Golf 48
Multimedia Beethoven 9th Symphony 55
Multimedia Bookshelf 93 ..... (oem 49)/125
Multimedia Mozart 55
Multimedia Stravinsky 55
Musical Instruments MPC 55
Office 3.0 445
Works MPC 39

Monarch Notes (over 2000 study guides) 49
Monster Disk II (2 shareware disk) 45
Multimedia Animals Encyclopedia MPC 39
Multimedia Encyc. (Grolier's WIN 1.5) .. 49/225
Nautilus BackPac for Win I / II 49/49
New PC-Karaoke w. Microphone 49
Oxford English Reference Library OS/2 & DOS. 99
Picture Atlas of the World 99
Phone Disk USA (business) 59
Precision Mapping (2CD + phonedisk) 75
Pro Phone Bus / Mid 93 ..... 45/105
Putt : Joins the Parade / Going to the Moon 49/49
Return to the Moon 45
Shareware Explorer - 4 CD set 49
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2. PC SOFTWARE

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Happy Holidays ■

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Amiga, Windows, Windows NT, OPT, OS/2
Top-Selling Brands in 1993: Top Data 486DX266 VLB, Top Data 486DX33, Top Data 486DLC40
Special Value-Added Services: Extended warranty, on-site installation.

Triad Computer
Store manager: John P. Le
1176 Aster Ave., Ste. B
Sunnyvale, CA 94086
(408) 247-7356 Fax: (408) 247-5976
Areas of Specialty (and In-House Specialist): systems (John Le / Paul Mai); parts and accessories (John Le/Paul Mai/Tom Le)
Operating Systems Supported: MS-DOS, Windows, OS/2
Top-Selling Brands in 1993: ViewSonic, Spider Graphics SVGA, Media Vision
Special Value-Added Services: One-year warranty, lifetime labor, thirty-day return policy with 15% restocking fee.

United Microsystems, Inc.
Store manager: Frank Chen
1180 Miraloma Way #L
Sunnyvale, CA 94086
(408) 737-8267 Fax: (408) 737-8268
Areas of Specialty (and In-House Specialist): lowest price offer (Alice Lin); DOS/Windows (Frank Chen)
Operating Systems Supported: MS-DOS, Windows, Windows NT, OS/2
Top-Selling Brands in 1993: Conner, Western Digital, Maxtor
Special Value-Added Services: Provide reliable notebook and desktop system at affordable price. Offer lowest price components for system builders.

USM Distributors/US Mach Systems
Store manager: Beth McInes
1250 Oakland Pkwy.
Sunnyvale, CA 94086
(408) 738-8291 Fax: (408) 738-8299
Areas of Specialty (and In-House Specialist): dBase (Richard Tse); networks (Richard Tse)
Operating Systems Supported: MS-DOS, Windows, Windows NT, Novell
Top-Selling Brands in 1993: AMI, Micronics
Special Value-Added Services: Custom integration and networking. Government, corporate, and University POs welcome. One-year parts and labor warranty.

Xenosys
Store manager: Hari Sharma
258 Java Dr.
Sunnyvale, CA 94089
(408) 744-9009 Fax: (408) 744-9007
Areas of Specialty (and In-House Specialist): hardware engineer (Rafi Khan); accounting information systems (Zia Khan); factory automation (Asad Faizi)
Operating Systems Supported: MS-DOS, Windows, Windows NT, UNIX
Top-Selling Brands in 1993: American Megatrends, Maxtor, Microsoft
Special Value-Added Services: Warranty: Three years on all systems (parts and labor). Free delivery of systems within Bay Area. 24-hour customer support.

Union City

Cal-Tech Corp.
Store manager: Andrew Long/Joachim Jensrud
29640 Union City Blvd.
Union City, CA 94587
(510) 487-9578 Fax: (510) 487-9609
Areas of Specialty (and In-House Specialist): hardware configuration (staff); multimedia (staff); accessories (staff)
Operating Systems Supported: MS-DOS, Windows, Windows NT
Top-Selling Brands in 1993: Teac, Diamond, US Robotics
Special Value-Added Services: All systems come with lifetime labor warranty, multimedia upgrades, fast shipping, custom configuration, parts experts.

ScienTech
Store manager: Willis Chou
2845 Whipple Rd.
Union City, CA 94587
(510) 429-8690 Fax: (510) 429-8693
Areas of Specialty (and In-House Specialist): Lotus 1-2-3 (Willis Chou); dBase (Willis Chou); WP (Willis Chou)
Operating Systems Supported: MS-DOS, Windows
Top-Selling Brands in 1993: Scientech network cards
Special Value-Added Services: Five-years labor warranty on PCs. We carry networking products.

Walnut Creek

Advanced Computer Systems
Store manager: Shawn Lodhi
1987 N. Main St.
Walnut Creek, CA 94596
(510) 945-8011 Fax: (510) 945-4941
Areas of Specialty (and In-House Specialist): Custom order systems; UNIX; ZENIX; OS/2; Novell; communication
Operating Systems Supported: MS-DOS, Windows, Windows NT, Solaris, SCO, Univell, Macintosh, OS/2, SAM workstation
Top-Selling Brands in 1993: Apple, ALR, AST
Special Value-Added Services: We offer full integrated system, without ifs and buts, which will work on any environment, like Pentium systems.

Alpha Fine Computer Furniture
Store manager: Victor Jurado
2241 N. Main St.
Walnut Creek, CA 94596
(800) 974-0277
Areas of Specialty (and In-House Specialist): computer furniture
Top-Selling Brands in 1993: Creative Ideas, LJ Howard, Data Desk
Special Value-Added Services: Complete corporate and home furniture design layout. Custom orders and finishes our specialty. Delivery service available.

Clarity Technologies
Store manager: Brad Doster
2175 N. California Blvd.
Walnut Creek, CA 94596
(800) 729-9995
Areas of Specialty (and In-House Specialist): Novell training (Brad Doster); Microsoft training (Berenice Jacobs); WordPerfect office training (Lisa Donald)
Special Value-Added Services: Clarity Technologies provides each student with hands-on training from highly rated and certified instructors with extensive field experience in state-of-the-art classroom facilities. Accelerated classes available.

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Reseller 1994 Guide

MICROTIMES 1994 DIRECTORY

Compumart
Store manager: Susannah Luk
1320 S. California Blvd.
Walnut Creek, CA 94596
(510) 946-1234
Areas of Specialty (and In-House Specialist): hardware configuration (Kevin Du); troubleshooting (Frank McCreary); networks (Kevin Du)
Operating Systems Supported: MS-DOS, Windows, Windows NT, SCO, Macintosh, OS/2, Novell, LANtastic
Top-Selling Brands in 1993: OptiGold, Hewlett-Packard, Microsoft
Special Value-Added Services: Open seven days a week with extended hours. Exceptional technical support seven days a week. On-site available. Special orders. 24-hour service. Over 5000 products in stock.

Computer Selection
Store manager: Bill Middlson
1676 N. California Blvd.
Walnut Creek, CA 94596
(510) 943-2828 Fax: (510) 943-2882
Areas of Specialty (and In-House Specialist): networks; multimedia; office automation
Operating Systems Supported: MS-DOS, Windows, Windows NT, Macintosh, OS/2
Top-Selling Brands in 1993: Compaq, Macintosh, Hewlett-Packard
Special Value-Added Services: We offer some of the best services and support in the East Bay. We also offer some of the best deals on your next multimedia computer, specializing in portable computers.

Systems Unlimited
Store manager: John Issac
1554 Newell Ave.
Walnut Creek, CA 94596
(510) 906-1690 Fax: (510) 906-1699
Areas of Specialty (and In-House Specialist): UNIX (SCO) (John Issac); Novell (John Issac); Informix database (John Issac)
Operating Systems Supported: MS-DOS, Windows, Windows NT, SCO, OS/2, Novell, SunSoft
Top-Selling Brands in 1993: AMI computer, Micronics, SCO
Special Value-Added Services: Lifetime technical support. Complete consultation and needs analysis. Complete turnkey solutions. On-site service and installation available.

The Clone Zone
Store manager: Peter Bennett
1555 Third Ave.
Walnut Creek, CA 94596
(510) 935-5203 Fax: (510) 938-0728
Areas of Specialty (and In-House Specialist): Windows (Pete Bennett); SBT accounting (Pete Bennett); Novell (John Billow)
Operating Systems Supported: MS-DOS, Windows, Windows NT, Macintosh, OS/2
Top-Selling Brands in 1993: Hewlett-Packard laser printer, IBM/Lexmack
Special Value-Added Services: On-site service. Service and repair. Training, networks, extended warranties, data conversion, mailing lists. Accounting system, point of sale. Financing available.

OUT OF STATE

Colorado

PC House
Store manager: David Wang
2119 S. Hudson St.
Denver, CO 80222
(303) 756-3601 Fax: (303) 756-3602
Areas of Speciality: computer systems
Operating Systems Supported: MS-DOS, Windows, Windows NT, UNIX, Novell
Top-Selling Brands in 1993: Micro Q computer system, Epson, Panasonic
Special Value-Added Services: All products one-year warranty, free tech support, Pansonic and Epson product authorized service center.

Florida

PC House
Store manager: Justin Wang
1422 NW 82nd Ave.
Miami, FL 33126
(305) 471-0821 Fax: (305) 471-0934
Areas of Speciality (and In-House Specialist): computer systems (sales staff)
Operating Systems Supported: MS-DOS, Windows, Windows NT, UNIX, Novell
Top-Selling Brands in 1993: Micro Q computer system, Epson, Panasonic
Special Value-Added Services: All products one-year warranty, free tech support, Panasonic and Epson product authorized service center.

Missouri

PC House
Store manager: Wen Liu
12609 Olive Blvd.
St. Louis, MO 63141
(314) 542-0860 Fax: (314) 542-0861
Areas of Speciality (and In-House Specialist): computer systems (sales staff)
Operating Systems Supported: MS-DOS, Windows, Windows NT, UNIX, Novell
Top-Selling Brands in 1993: Epson, Panasonic, Micro Q computer systems
Special Value-Added Services: All products one-year warranty, free tech support, Panasonic and Epson product authorized service center.

New Hampshire

Te Corporation
Store manager: Linn Downs
PO Box 140
Campton, NH 03223
(603) 726-4700 Fax: (603) 726-8818
Areas of Speciality (and In-House Specialist): health insurance reimbursements (Yukio Endo); dog and animal breeding (Yukio Endo)
Operating Systems Supported: Windows, Macintosh
Top-Selling Brands in 1993: ClaimPlus, MacPETigree, DB Logos
Special Value-Added Services: 24-hour turnaround on orders, after-hours technical support - resources on health care reimbursements.

Ohio

Safeware, The Insurance Agency Inc.
2929 N. High St., PO Box 02211
Columbus, OH 43202
(800) 800-1492 Fax: (614) 262-1714
Areas of Speciality: computer insurance for hardware, software and peripherals
Operating Systems Supported: MS-DOS, Amiga, Windows, Windows NT, Macintosh, OS/2,

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Reseller Guide

MICROTIMES 1994 DIRECTORY

Top-Selling Brands in 1993: Computer owners insurance policy, Key computer policy

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Store manager: Mike Siak
990 N. Bowser, Ste. 760
Richardson, TX 75081
(214) 669-2545 Fax: (214) 669-3570

Areas of Speciality (and In-House Specialist): computer systems (sales staff)

Operating Systems Supported: MS-DOS, Windows, Windows NT, UNIX, Novell

Top-Selling Brands in 1993: Micro Q computer system, Epson, Panasonic

Special Value-Added Services: All products one-year warranty, tech support, Panasonic and Epson product authorized service center.

UTAH

Professional Programming Services

Store manager: Jon B. Bushey
175 W. 200 South, Ste. 1003
Salt Lake City, UT 84101
(800) 775-6201 Fax: (801) 359-6254

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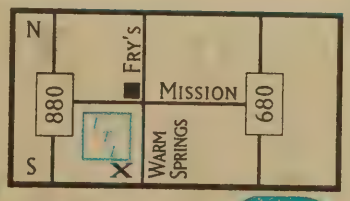

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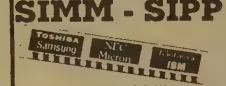

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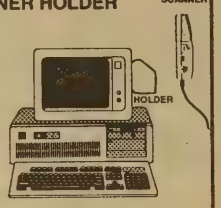

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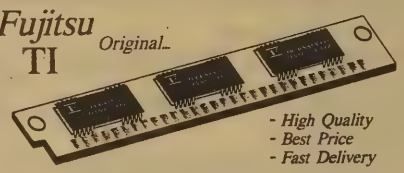

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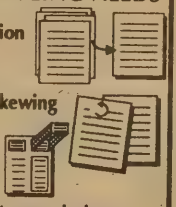

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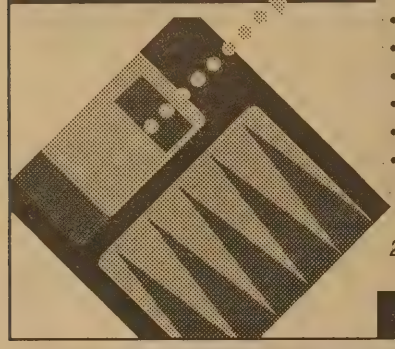

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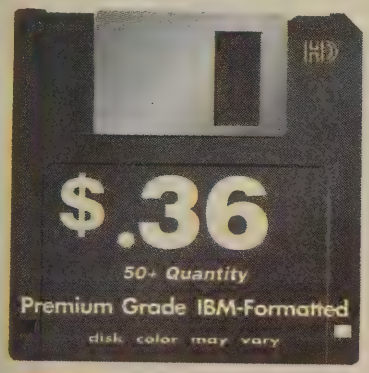

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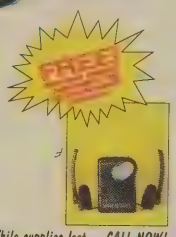

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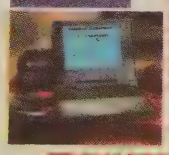

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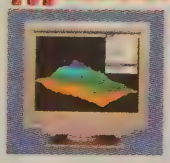

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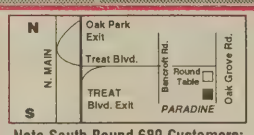

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F550iw	17" 1280x1024	.28	NI	$1,185

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Orchid F1280/Plus	VLB 32-Bit	1MB	$159
Diamond Stealth/24	VLB 32-Bit	1MB	$165
Diamond Speedstar/Pro	ISA 16-Bit	1MB	$139
Diamond Viper	VLB 32-Bit	2.5MB	$395
Number Nine GXe Level 11	VLB 32-Bit	2MB	$359
Standard Tech CL	ISA 16-Bit	1MB	$85
ATI Ultra Pro VLB	VLB 32-Bit	1MB	$279
ATI Ultra Pro VLB	VLB 32-Bit	2MB	$339

SCSI CONTROLLER CARDS

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Ultrastor	34F	32-Bit VESA LB	$259
Bus Logic		32-Bit VESA Local Bus	$259
DTC	3270VL	SCSI 32-Bit VLB	$129
DTC	2270VL	IDE 32-Bit VLB w/2S/1P/1G I/O	$65

MODEMS

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External: $195
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Zoltrix 9600/2400 Send/Receive Int Modem $65

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Micronics EISA-VESA LB w/256K 486DX-33/dx2-66....$850/1,095
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Micronics JX-30 VESA LB w/256K 486DX-33/DX2-66 ....$695/945
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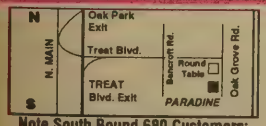

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BUYERS GUIDE

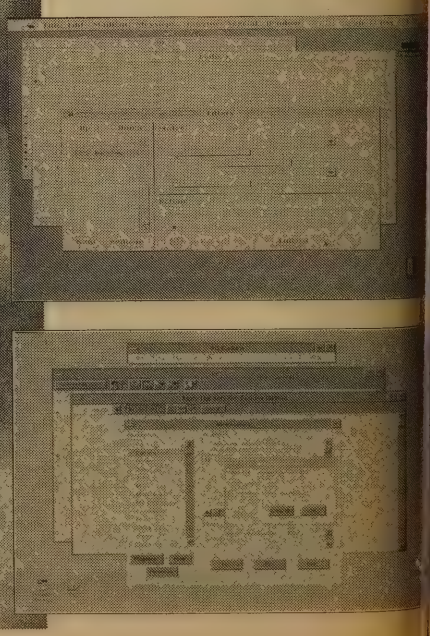
Telecommunications Software

Continued from page 278

EUDORA EMAIL SOFTWARE

Eudora email management software was originally developed for the Macintosh at the University of Illinois and is now available for both the Macintosh and PC by Qualcomm. It allows users to send, receive, sort, and otherwise manage electronic mail over TCP/IP networks, such as the Internet. New features integrated in the program include message filtering, support for AppleEvents (Macintosh version only), drag and drop attachment (Macintosh version only), double-click attachment lines (PC-compatible version), and Multipurpose Internet Mail Extensions (MIME) compatibility. Qualcomm's Eudora customer support specialists provide customer service and technical support through a toll-free telephone number and Internet mail addresses. (Per unit pricing is $50 for 1–9 users, $45 for 10–49 users, $40 for 50–99 users, $36.50 for 100–499 users, and $32.50 for 500–999 users.) Qualcomm, Inc., 10555 Sorrento Valley Rd., San Diego, CA 92121. 1-800-2-EUDORA. Email: eudora-sales@qualcomm.com. Technical support email: eudora-hotline@qualcomm.com.

Below: Eudora email management software for the Mac and (bottom) for the PC.



Network Hardware

HP DISK ARRAY SYSTEM

Designed to house up to 10GB of fully integrated disk-drive storage, the HP Disk Array System provides workgroups and departmental networks with a cost-effective solution for primary storage. It works with HP NetServers and PC servers from other manufacturers. For fault-tolerant storage, the HP Disk System supports RAID protection among eight volumes. Available in both EISA and ISA versions, it can house up to five 3.5" half-height disks with disk capacities of 510MB, 1GB, or 2GB. Also featured is a hot-swap capability for Novell NetWare networks. This means if one disk drive fails, the failed disk can be removed, a new disk inserted, and the new disk will be configured automatically—while the network is running. HP Disk Systems supports the major network operating systems, such as Novell NetWare, Microsoft Windows NT and LAN Manager, IBM LAN Server, SCO UNIX, and Banyan Vines. ($3299 for a configuration that incorporates a 1GB disk drive) Hewlett-Packard, Direct Marketing Organization, PO Box 58059, MS511L-SJ, Santa Clara, CA 95051. 1-800-826-4111.

ASP SNAP STARTER KIT

The SNAP Starter Kit gives you everything you need to start a printer sharing system that, with additional SNAP Transmitters and cabling, can be extended to allow twenty PCs to share the printer. The Kit includes two SNAP Transmitters, one SNAP Receiver, two 25' cables, and an optional 6 volt power supply. Users plug the Receiver into the standard Centronics parallel port of the printer, plus the Transmitter into the parallel ports of two PCs, and use the telephone-type, modular cables to link everything. ($159) ASP Computer Products, Inc., 160 San Gabriel Dr., Sunnyvale, CA 94086. (408)746-2965.

SOLECTEK AIRLAN/PCMCIA

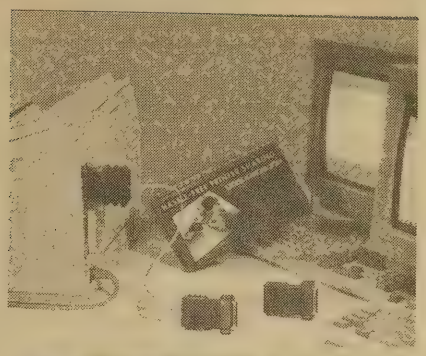
Designed for use with PCMCIA-equipped notebook computers, AIRLAN makes possible mobile LAN connections which allow users the freedom to move about their workplace unencumbered by power cords or network cables. In addition to extending cabled networks, AIRLAN is ideally suited for creating entire wireless LANs or temporary field networks. AIRLAN operates at 2Mbps and supports all major network operating systems including NetWare, LANtastic, and Windows for Workgroups. It uses proven spread spectrum 915MHz radio technology to pass data through walls, ceilings, and floors. Its tiny omnidirectional antenna provides complete coverage up to 800ft., and even further when used with the AIRLAN/Hub. ($699) Solectek Corp., 6070 Nancy Ridge Dr., San Diego, CA 92121. 1-800-437-1518.

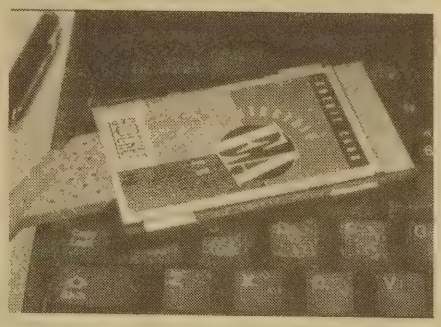
DICE NET DX

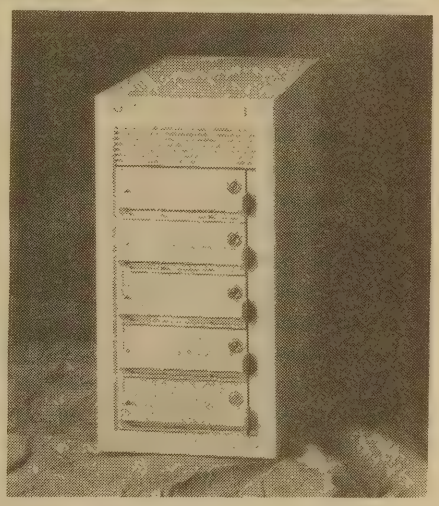
The DICE Net DX provides Macintosh, PC, and UNIX users with an integrated network environment to print PostScript, TIFF, TARGA, and other file formats to the Xerox 5775 Color Copier. This turns the 5775 into a high-production network printer for short-run color jobs. It allows multiple users to share the capabilities for the 5755 through workstation connections to a single server system, thus providing a central interface to the copier. Its features include queuing and spooling of each file on a first in, first out basis. An optional densitometer may be connected to the server allowing for regular calibrations to be performed. CMYK color balance can be selected on the remote workstations of the DICE Net server. The server is an EISA 486/66MHz computer. The DX board is an EISA-bus configuration with full 32-bit data pathway, and comes with up to 128MB of RAM on board, a TI 34020 graphics processor, and 4MB of VRAM. Dice America Corp., 20 Washington Ave., Suffern, NY 10901. (914)369-3600.

SOCKETLINK ETHERNET ADAPTER

The SocketLink EA PCMCIA card, which includes a high-speed, 16-bit Ethernet adapter plus software, allows the HP OmniBook 300 to run Novell's NetWare and NetWare Lite, Microsoft's LAN Manager, IBM's PC LAN, Artisoft's LANtastic, Banyan's VINES, and other popular networks. It also handles 10BaseT Ethernet and the SocketLink EA+ handles both 10BaseT and 10Base2 Ethernet. SocketLink runs up to four times faster than LAN adapters which use the OmniBook's parallel port, and over ten times faster than communicating over the OmniBook's RS-232 or infrared serial ports. The SocketLink EAsy installation software allows users to convert a PCMCIA-compatible notebook to a Novell NetWare client in three minutes. (10BaseT only is $399; 10BaseT/10Base2 combination is $420) Socket Communications, Inc., 2501 Technology Dr., Hayward, CA 94545. (510)670-0300.







Top to bottom: the SNAP Starter Kit from ASP Computer Products, Inc.; the SocketLink Ethernet adapter from Socket Communications, Inc.; the HP Disk Array System.

ETHER•WRITE/LPR

Ether•Write/LPR allows users to print from Ethernet-connected UNIX computers via the UNIX LPR command to as many as six AppleTalk compatible printers on a connected Ethernet or LocalTalk network. Combining bridging and gateway functions, Ether•Write/LPR provides conversion from IP to AppleTalk's PAP printing protocol. The device can also convert text-only input into PostScript output. It features one LocalTalk port and auto-switching connections for thick, thin, and 10BaseT Ethernet. Also included is full support for Compatible System's Advanced Network Security Protocol. (ANSP) Management software is included which runs on any Macintosh in any zone on an AppleTalk internet. Software and configuration information is stored in downloadable Flash ROM. ($995) Compatible Systems Corp., PO Box 17220 Boulder, CA 80308. 1-800-356-0283.

IBM

IBM PS/2 SYSTEMS

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MOD.50/50Z/55SX/60 SYS. BD _____ $150/250/195/90
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Network Software

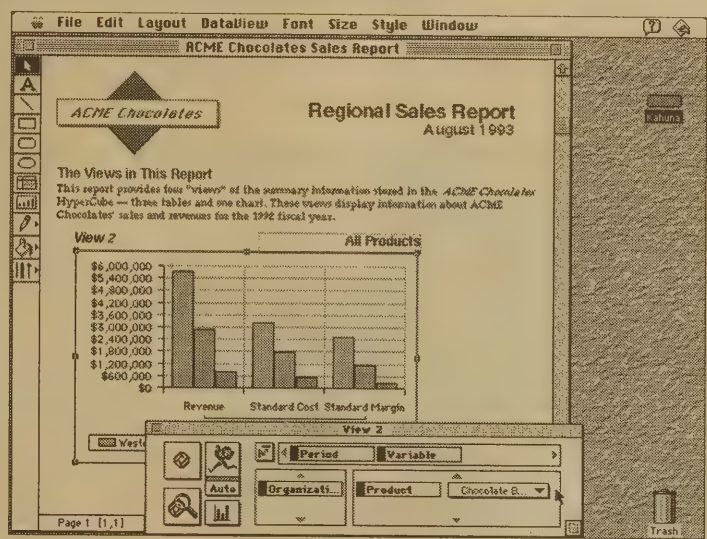
HIGHPAK-10

HighPak-10 video server software supports up to ten concurrent VHS-quality playbacks in a multiple segment Token Ring, Ethernet, or fiber optic configuration. It is designed for a single server network operating under NetWare 3.11 and is ideal for a variety of interactive multimedia applications such as training, education, video kiosks, video mail, and video presentations. HighPak software accesses video files from a standard Novell file system permitting their management with standard Novell utilities or any third-party utility. It supports any video software platform and any video compression technology. Because it is a NetWare NLM configuration, HighPak maximizes server resources by permitting more efficient utilization while allowing server and network resources to remain available for non-video applications such as word processing, spreadsheets, and database access. ProtoComm Corp., Two Neshaminy Interplex, Travose, PA 19053. (215)245-2049.

SQL MONITOR, RELEASE 10

SQL Monitor, Release 10 is the first software tool available for distributed client/server database performance monitoring and tuning. With SQL Monitor, companies will have mainframe-like control over the systems performance of their SQL Server-based distributed database environments. It consists of two components. SQL Monitor Server accesses the SQL Server shared memory as a background task to capture SQL Server performance statistics. SQL Monitor Client connects to SQL Monitor Server and displays performance data through a graphical user interface. With SQL Monitor Client, a systems administrator can easily specify the statistics to be monitored, the level of detail, frequency of updates, and hot data will be presented. By accessing SQL Server shared memory the impact on database performance is greatly minimized. (SQL Monitor Client starts at $595 for a single-user Windows 3.1 license and $1880 for a single-user UNIX system license. SQL Monitor Server starts at $2580 for an unlimited-user UNIX system license.) Sybase, Inc., 6475 Christie Ave., Emeryville, CA 94608. (510)596-3500.

Below: Andyne Pablo for Macintosh.



APPLESEARCH

AppleSearch is a new information search and retrieval software package that provides Macintosh users with personalized, easy access to unstructured text in client/server environments. It turns a collection of unstructured documents stored on a server into an online library that can be searched to find necessary information, quickly and easily. It combines features found on high-end bibliographic, full-text retrieval software with Apple's traditional ease-of-use and administration. Users can create AppleSearch Reporters, which are electronic search agents, that can be saved, shared among users, and scheduled to deliver easy-to-read updates on a daily or weekly basis. In addition to internally generated documents, an AppleSearch user can tap into information sources such as server-mounted CD-ROMs, news wire services, or other online services that feed into the AppleSearch server. ($1799 for the Server/Client five-pack and $499 for the AppleSearch Client ten-pack) Apple Computer, Inc., 20525 Mariani Ave., Cupertino, CA 95014. 1-800-795-1000.

ANDYNE PABLO FOR MACINTOSH

Using HyperCube technology, Pablo simplifies the complexity of generating reports from relational databases. A HyperCube is a means of storing and combining multidimensional summary information from almost any data source. Additional features include dynamic linking to host databases, access to local and remote data sources, information hierarchies, flexible tables and charts, and automatic refreshing of summary information. With support for connectivity options such as Apple's Data Access Language (DAL), Pablo provides dynamic access to HyperCubes stored in relational databases like Oracle, DB2, Ingres, Sybase, AS/400, Rdb, SQL/DS, Teradata, and Informix. ($695 for single copies; $5495 for ten-pack) Andyne Computing Ltd., 522 Princess St., Kingston, Ontario, Canada K7L 1C7. (613)548-4355, 1-800-267-0665.

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BUYERS GUIDE

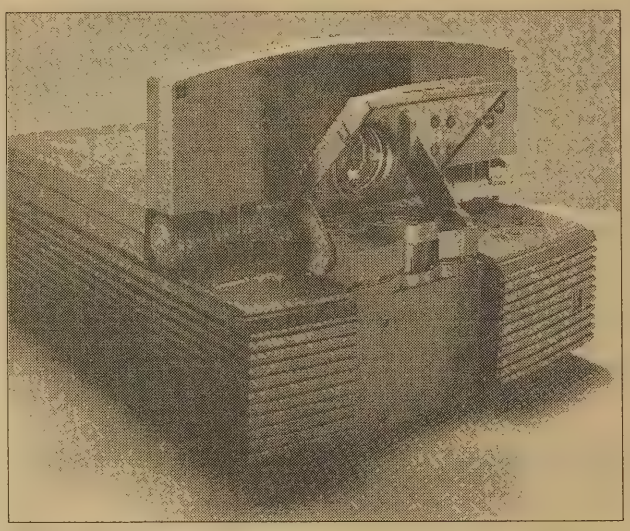
Monitors & Displays

SAMTRON SC-528MXL

The Samtron SC-528MXL is a 15" non-interlaced enhanced super VGA color monitor that offers variable frequency, multiscan, and meets the Swedish MPR-II guidelines for VLF emissions. It is also Mac II compatible. The SC-528MXL features power down circuits which automatically cut energy consumption when not in use. This can provide a savings of up to 70% on the electricity costs of running the monitor. Ergonomic features include a tilt-and-swivel stand, as well as front access digital screen controls and an etched and polarized non-glare screen. Samtron monitors come with a two-year parts and labor warranty. ($659) Samtron Displays, Inc., 14251 E. Firestone Blvd., Suite 101 La Mirada, CA 90638. (310)802-8425.

DIAMOND PRO SVGA

Diamond Pro SVGA is a 14" color monitor offering 800 x 600 non-interlaced (1024 x 768 interlaced) resolution, and a 31.5 to 38.5kHz auto-scanning range, making it compatible with VGA, SVGA (56 and 60Hz), and Macintosh LC (VGA mode) family graphics standards. It also has 0.28mm dot pitch for high resolution, a 30MHz video amplifier, and an MPR-II compliant, low magnetic emission design. The Diamond Pro SVGA has a scan mode memory with six preset settings and one adjustable setting of horizontal width, centering, vertical size, and positioning. The monitor cabinet has a tilt/swivel base and front-panel display controls. ($439) Mitsubishi 5665 Plaza Dr., Cypress, CA 90630. (714)220-2500.



VIEWSONIC 17G

The ViewSonic 17G, an energy-efficient 17" color monitor, is equipped with an easy-to-operate on-screen programming system. Conforming to VESA display power management signaling standards (DPMS) and supporting the EPA's Energy Star Program, the ViewSonic 17G powers down in three stages, down to 5 watts of power. The time-to-activate each of the stages is programmed by the user. Also included is a free power management software driver that interfaces with most video cards, saving the expense of purchasing a special "green" board. The on-screen programming feature allows the user to see options on the screen, and by touching a button, adjust up to thirteen different controls. The monitor carries a Swedish MPR-II certification for low radiation emissions. ($999) ViewSonic, Inc., 20480 Business Pkwy., Walnut, CA 91789. 1-800-888-8583.

PROTON FM-1561A

The FM-1561A multimedia monitor is at once a computer color monitor and complete audio and video playback system. It includes a 15" CRT panel, a 2-watt-per-channel stereo amplifier, and side-mounted 3" stereo loudspeakers. The FM-1561A offers up to 1280 x 1024 pixels resolution. It is equipped with manual tuning options such as variable overscan,

Top right: Diamond Pro SVGA 14" color monitor; Middle: Proxima Desktop Projector 2800; Bottom left: Samtron SC-528MXL 15" non-interlaced enhanced super VGA color monitor.

Continued on page 330

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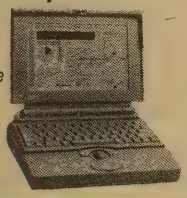

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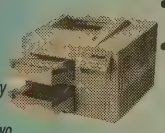

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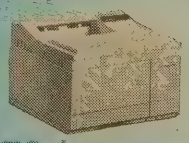

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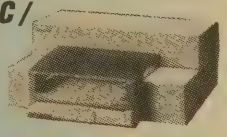

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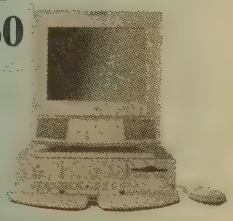

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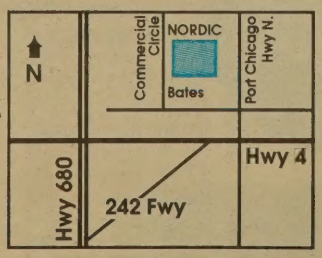

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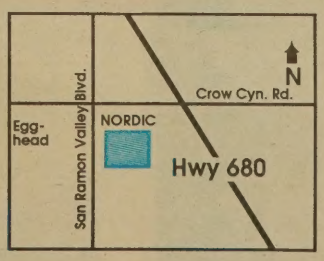

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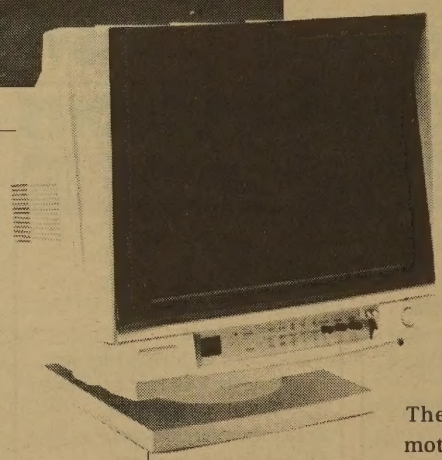

Clockwise from top: Viewsonic 17G color monitor; Proton FM-1561A multimedia monitor; Sharp LC-10V1.

pincushion adjustment, and audio volume control. The monitor has ten digital settings with which to adjust the image parameters. It is mounted on an adjustable tilt-and-swivel pedestal. A miniature stereo headphone jack is located on the front control panel. ($799) Proton Inc., 16826 Edwards Rd., Cerritos, CA 90701. (310)404-2222.

SHARP LC-10V1

The LC-10V1 monitor features excellent image reproduction and multimedia flexibility. Its applications range from video conferencing to educational training to information processing. It can display not only text and graphics but video from TVs, VCRs, and laser disks. The monitor's 10.4" active matrix screen LCD panel supports 24-bit color for natural-looking pictures with clear definition and subtle tonal distinctions. The LCD panel greatly reduces reflected glare even in bright rooms. ($798) Sharp Electronics Corp., Sharp Plaza, Mahwah, NJ 07430. 1-800-223-2121.

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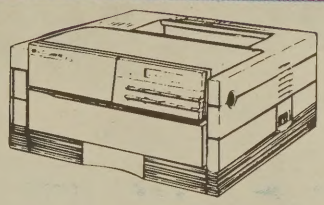

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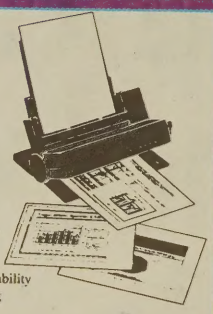

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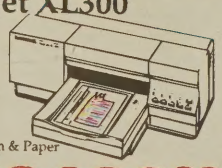

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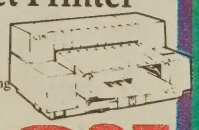

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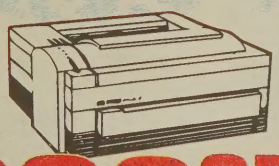

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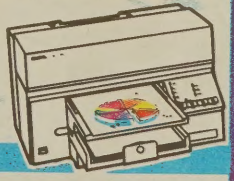
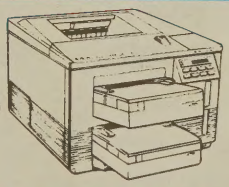


LaserJet 4Si



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Prices Good Through December 27, 1993

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MON-FRI 8AM-10PM
SATURDAY 9AM-9PM
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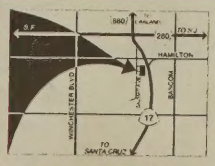
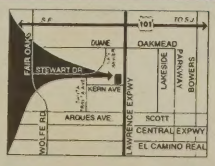
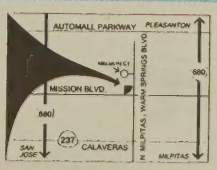
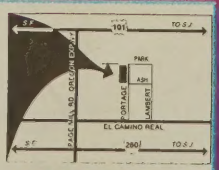
VISA AND MASTERCARD ACCEPTED

CORPORATE P.O. FAX #'s









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(415) 496-6044

QEMM 7 finds room nobody else can.

Sooner or later, you'll get an "Out of Memory" message. Whether you have 1 megabyte or 16.

TSRs and network utilities need memory right where your programs need it, too. It's called 'lower' or 'conventional' memory.

Adding RAM to your PC just gives you more expanded or extended memory — accessible to some programs, but not to TSRs like fax utilities, device drivers or network utilities like Novell NetWare. Fortunately, there's an easy software solution to 'out of memory' problems.

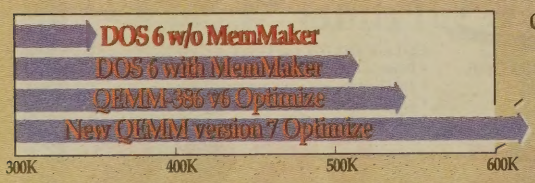
NO VACANCY

Have Your Cake and Eat it, Too.

The more memory you have, the more flexibility and reliability you can enjoy. Thanks to our patent-pending 'stealth' technology, QEMM finds as much as 96K more high memory than other memory managers.

No one has yet been able to match our performance. No wonder QEMM outsells all the others *put together*!

QEMM™ puts the maximum memory right where your favorite programs need it so you can run them and TSRs without 'out of memory' problems or conflicts. That keeps your PC running smoothly and performance at its best.



We tested DOS with and without MemMaker and with QEMM 6 and our new QEMM 7 runs away from all of them. See details of test conditions below.

"I needed another 32K for my favorite TSR. I added 2 megabytes. I still need 32K! What gives?"

Protect Your Productivity; Keep Your Work Safe.

Any task, from programming to writing the company business plan to composing a personal letter, takes time and thought. Your PC is supposed to make that process easier; your output better. When you can't run your favorite grammar-checking TSR or have to get by without a vital network utility, you're sacrificing productivity.

Whether you're running MS-DOS, IBM™ PC-DOS, DR DOS, Novell DOS or MS Windows; one megabyte or eight, don't sacrifice; don't compromise; don't risk losing work.

QEMM comes with the new version of Manifest, the award-winning memory analyzer that helps you see how your PC works.

Managing your memory well is the best way to assure your work won't go to waste.

QEMM version 7 is the most powerful, flexible memory manager you can buy. It's the utility that finds memory when nothing else can.

VACANCY

How we get the chart numbers CPU—486/33 ALR Power/business VESA machine equipped with 16 megs of RAM and running MS-DOS 6. Comparisons were done using the following memory managers: QEMM 7, QEMM 6.02, MS-DOS 6 MemMaker. In addition to the driver (or drivers) required by each memory manager, the following drivers, DOS resources and programs were loaded for all comparisons: in the CONFIG.SYS file: SETVER.EXE, DOS=HIGH, FILES=20, BUFFERS=10, STACKS=0,0, MVSOUND.SYS, SNDBK12.SYS, SLCD.SYS, DOS SHELL=statement, in the AUTOEXEC.BAT file: VSAFE, MSCDEX, UNDELETE, LSL.COM, NE2000.COM, IPXODI.COM, NETX OR EMSNETX, MOUSE.COM, SMARTDRV.COM, PRTSC CAP.COM.

Quarterdeck

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